

***IN THE UNITED STATES PATENT AND TRADEMARK OFFICE***

Applicant: KANG, Sun-Ho

Title: LAYERED CATHODE  
MATERIALS FOR LITHIUM ION  
RECHARGEABLE BATTERIES

Patent. No.: 7,205,072

Issue Date: 04/17/2007

Examiner: Gregg Cantelmo

Art Unit: 1745

Confirmation Number:  
3154

**PETITION UNDER 37 C.F.R. § 3.81(b)**

**MAIL STOP: PETITIONS**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

1. Applicant, through the undersigned attorney, hereby petitions the Commissioner to issue the allowed above-captioned application to the Assignee:

**UChicago Argonne, LLC**

2. Applicant paid the Issue Fee and Publication Fee for this application on February 28, 2007. A copy of the date-stamped OIPE return postcard evidencing filing of same is attached herewith. Applicant inadvertently listed the Assignee on the Form PTOL-85 as The University of Chicago, rather than UChicago Argonne, LLC.

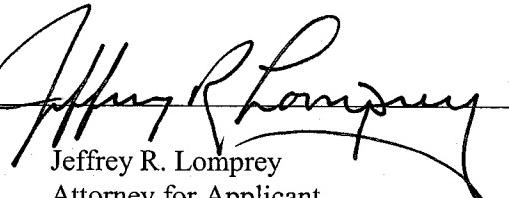
3. A copy of the Notice of Recordation of Assignment Document, dated September 28, 2006, showing assignment from The University of Chicago to UChicago Argonne, LLC is attached herewith (marked with an "X" on page 4). This Notice of Recordation of Assignment Document indicates that the Assignment was recorded at Reel/Frame 108385/0618.

4. Under 37 C.F.R. § 1.17(h), the statutory filing fee of \$130.00 is being paid by credit card via EFS-Web.

5. Applicant also has attached a Certificate of Correction reflecting the above name change and request that the file be forwarded to the Certificates of Correction Branch for issuance of a Certificate of Correction. The fee of \$100.00 was previously paid via credit card payment form on May 7, 2007.

The Commissioner is hereby authorized to charge any additional fees which may be required regarding this application under 37 C.F.R. §§ 1.16-1.17, or credit any overpayment, to Deposit Account No. 19-0741. Should no proper payment be enclosed herewith, as by a check being in the wrong amount, unsigned, post-dated, otherwise improper or informal or even entirely missing, the Commissioner is authorized to charge the unpaid amount to Deposit Account No. 19-0741.

Respectfully submitted,

By   
Jeffrey R. Lomprey  
Attorney for Applicant  
Registration No. 55,401

Date September 5, 2007

FOLEY & LARDNER LLP  
Customer Number: 23524  
Telephone: (608) 258-4288  
Facsimile: (608) 258-4258

# COPY

THE U.S. PATENT AND TRADEMARK OFFICE OFFICIAL  
MAILROOM STAMP AFFIXED HERETO ACKNOWLEDGED  
RECEIPT OF THE ITEMS CHECKED BELOW:  
Mailed Via Certificate of Mailing

Title: LAYERED CATHODE MATERIALS FOR LITHIUM ION  
RECHARGEABLE BATTERIES

Inventor(s): Kang et al.

Appl. No.: 10/699,484

Dkt. No.: 051583-0289

- Issue Fee Transmittal Form PTOL-85(B) (1 pg.);
- Credit Card Payment Form for \$1,000.00 (1 pg.);
- Return Post Card.

Due Date: April 26, 2007

Attorney Initials:

Date Filed: February 28, 2007

Insp. By: *MEM*





UNITED STATES PATENT AND TRADEMARK OFFICE

UNDER SECRETARY OF COMMERCE FOR INTELLECTUAL PROPERTY AND  
DIRECTOR OF THE UNITED STATES PATENT AND TRADEMARK OFFICE

OCTOBER 16, 2006

PTAS

HARRY M. LEVY  
SUITE 2080  
125 SOUTH WACKER DRIVE  
CHICAGO, IL 60606



\*103316012A\*

UNITED STATES PATENT AND TRADEMARK OFFICE  
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 571-272-3350. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, MAIL STOP: ASSIGNMENT SERVICES BRANCH, P.O. BOX 1450, ALEXANDRIA, VA 22313.

RECORDATION DATE: 09/28/2006

REEL/FRAME: 018385/0618  
NUMBER OF PAGES: 26

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

UNIVERSITY OF CHICAGO, THE

DOC DATE: 09/25/2006

ASSIGNEE:

U CHICAGO ARGONNE LLC  
5801 SOUTH ELLIS AVENUE  
CHICAGO, ILLINOIS 60637

SERIAL NUMBER: 09368989

FILING DATE: 08/05/1999

PATENT NUMBER:

ISSUE DATE:

TITLE: DEVICE FOR DETECTING MOLECULES, METHOD FOR DETECTING MOLECULES

SERIAL NUMBER: 09790851

FILING DATE: 02/22/2001

PATENT NUMBER:

ISSUE DATE:

TITLE: EMERGENCY RESPONSE SYNCHRONIZATION MATRIX

SERIAL NUMBER: 09791422 FILING DATE: 02/23/2001  
PATENT NUMBER: ISSUE DATE:  
TITLE: RADIATION SHIELDING PHOSPHATE BONDED CERAMICS USING ENRICHED ISOTOPIC BORON COMPOUNDS

SERIAL NUMBER: 09943966 FILING DATE: 08/31/2001  
PATENT NUMBER: ISSUE DATE:  
TITLE: SYNTHESIS OF INTERMETALLIC NEGATIVE ELECTRODES FOR LITHIUM CELLS AND BATTERIES

SERIAL NUMBER: 10057753 FILING DATE: 01/23/2002  
PATENT NUMBER: ISSUE DATE:  
TITLE: METHOD FOR LABELING DNA AND RNA

SERIAL NUMBER: 10068474 FILING DATE: 02/05/2002  
PATENT NUMBER: ISSUE DATE:  
TITLE: GEL SUBSTRATES FOR MICROARRAYS SUITABLE FOR MACROMOLECULAR IMMOBILIZATION AND ASSAY

SERIAL NUMBER: 10167917 FILING DATE: 06/12/2002  
PATENT NUMBER: ISSUE DATE:  
TITLE: SOLID OXIDE FUEL CELL WITH ENHANCED MECHANICAL AND ELECTRICAL PROPERTIES

SERIAL NUMBER: 10212476 FILING DATE: 08/05/2002  
PATENT NUMBER: ISSUE DATE:  
TITLE: CUSTOMIZED OLIGONUCLEOTIDE MICROCHIPS THAT CONVERT MULTIPLE GENETIC INFORMATION TO SIMPLE PATTERNS, ARE PORTABLE AND REUSABLE

SERIAL NUMBER: 10275537 FILING DATE: 10/03/2003  
PATENT NUMBER: ISSUE DATE:  
TITLE: METHOD FOR FABRICATING CERAMIC COMPOSITES, FIBROUS CERAMIC MONOLITHS

SERIAL NUMBER: 10287455 FILING DATE: 11/04/2002  
PATENT NUMBER: ISSUE DATE:  
TITLE: DISCRIMINATION OF BACILLUS ANTHRACIS FROM CLOSELY RELATED MICROORGANISMS BY ANALYSIS OF 16S AND 23S RRNA WITH OLIGONUCLEOTIDE MICROCHIPS

SERIAL NUMBER: 10315904 FILING DATE: 12/10/2002  
PATENT NUMBER: ISSUE DATE:  
TITLE: HIGH CATION TRANSPORT POLYMER ELECTROLYTE

SERIAL NUMBER: 10337966 FILING DATE: 01/06/2003  
PATENT NUMBER: ISSUE DATE:  
TITLE: HARD AND LOW FRICTION NITRIDE COATINGS AND METHODS FOR FORMING THE SAME

SERIAL NUMBER: 10338507 FILING DATE: 01/07/2003  
PATENT NUMBER: ISSUE DATE:  
TITLE: ELECTRODE FOR A LITHIUM CELL

SERIAL NUMBER: 10351826 FILING DATE: 01/27/2003  
PATENT NUMBER: ISSUE DATE:  
TITLE: HIGH-DIELECTRIC CONSTANT ALLOY OXIDE FOR NEW GENERATION OF INTEGRATED CIRCUIT GATE OXIDE AND MAGNETIC MULTILAYER MEMORIES

SERIAL NUMBER: 10354929 FILING DATE: 01/30/2003  
PATENT NUMBER: ISSUE DATE:  
TITLE: ION EXCHANGE MATERIALS FOR USE IN A 213BI GENERATOR

SERIAL NUMBER: 10365286 FILING DATE: 02/12/2003  
PATENT NUMBER: ISSUE DATE:  
TITLE: LAYERED ELECTRODES FOR LITHIUM CELLS AND BATTERIES

SERIAL NUMBER: 10371214 FILING DATE: 02/20/2003  
PATENT NUMBER: ISSUE DATE:  
TITLE: COATINGS AND FILMS DERIVED FROM CLAY/WAX NANOCOMPOSITES

SERIAL NUMBER: 10384344 FILING DATE: 03/07/2003  
PATENT NUMBER: ISSUE DATE:  
TITLE: NOVEL CATALYST FOR SELECTIVE NO<sub>x</sub> REDUCTION USING HYDROCARBONS

SERIAL NUMBER: 10398329 FILING DATE: 10/17/2005  
PATENT NUMBER: ISSUE DATE:  
TITLE: ELECTRODE AND ELECTRON EMISSION APPLICATIONS FOR N-TYPE DOPED NANOCRYSTALLINE MATERIALS

SERIAL NUMBER: 10428348 FILING DATE: 05/02/2003  
PATENT NUMBER: ISSUE DATE:  
TITLE: PREPARATION OF ORGANOPHYLLOSILICATE NANOCOMPOSITE COMPOSITIONS

SERIAL NUMBER: 10439744 FILING DATE: 05/16/2003  
PATENT NUMBER: ISSUE DATE:  
TITLE: FUEL PROCESSOR FOR PRODUCING HYDROGEN FROM HYDROCARBON FUELS

SERIAL NUMBER: 10449287 FILING DATE: 05/30/2003  
PATENT NUMBER: ISSUE DATE:  
TITLE: ENHANCED PHOTOPHYSICS OF CONJUGATED POLYMERS

SERIAL NUMBER: 10532556 FILING DATE: 10/28/2005  
PATENT NUMBER: ISSUE DATE:  
TITLE: METALWORKING AND MACHINING FLUIDS

SERIAL NUMBER: 10547100 FILING DATE: Ed 8/05  
PATENT NUMBER: ISSUE DATE:  
TITLE: ALUMINUM PHOSPHATE CERAMICS FOR WASTE STORAGE

SERIAL NUMBER: 10547445 FILING DATE: 06/08/2006  
PATENT NUMBER: ISSUE DATE:  
TITLE: METHOD OF WASTE STABILIZATION WITH DEWATERED CHEMICALLY BONDED PHOSPHATE CERAMICS

SERIAL NUMBER: 10609907 FILING DATE: 06/30/2003  
PATENT NUMBER: ISSUE DATE:  
TITLE: POLYMER-PHYLLOSILICATE NANOCOMPOSITES AND THEIR PREPARATION

SERIAL NUMBER: 10619284 FILING DATE: 07/14/2003  
PATENT NUMBER: ISSUE DATE:  
TITLE: BIOCHIP READER WITH ENHANCED ILLUMINATION AND BIOARRAY POSITIONING APPARATUS

SERIAL NUMBER: 10637127 FILING DATE: 08/08/2003  
PATENT NUMBER: ISSUE DATE:  
TITLE: RESONANCE-ENHANCED DIELECTRIC SENSING OF CHEMICAL AND BIOLOGICAL SPECIES

SERIAL NUMBER: 10642768 FILING DATE: 08/18/2003  
PATENT NUMBER: ISSUE DATE:  
TITLE: METHOD FOR FABRICATION OF BIOCHIPS WITH A MACROPOROUS POLYMER SUBSTRATE

SERIAL NUMBER: 10647423 FILING DATE: 08/25/2003  
PATENT NUMBER: ISSUE DATE:  
TITLE: DISCRIMINATION OF BACILLUS ANTHRACIS FROM CLOSELY RELATED MICROORGANISMS BY ANALYSIS OF 16S AND 23S RRNA WITH OLIGONUCLEOTIDE MICROCHIPS

SERIAL NUMBER: 10688004 FILING DATE: 10/17/2003  
PATENT NUMBER: ISSUE DATE:  
TITLE: LITHIUM METAL OXIDE ELECTRODES FOR LITHIUM CELLS AND BATTERIES

X SERIAL NUMBER: 10699484 FILING DATE: 10/31/2003  
PATENT NUMBER: ISSUE DATE:  
TITLE: LAYERED CATHODE MATERIALS FOR LITHIUM ION RECHARGEABLE BATTERIES

SERIAL NUMBER: 10702419 FILING DATE: 11/05/2003  
PATENT NUMBER: ISSUE DATE:  
TITLE: PROCESS FOR ELECTROLYTIC PRODUCTION OF ALUMINUM

SERIAL NUMBER: 10702798 FILING DATE: 11/05/2003  
PATENT NUMBER: ISSUE DATE:  
TITLE: IMMOBILIZED BIOCATALYTIC ENZYMES IN ELECTRODEIONIZATION (EDI)

SERIAL NUMBER: 10716331 FILING DATE: 11/18/2003  
PATENT NUMBER: ISSUE DATE:  
TITLE: IRON-BASED PEROVSKITE CATHODES FOR SOLID OXIDE FUEL CELLS

SERIAL NUMBER: 10738400 FILING DATE: 12/17/2003  
PATENT NUMBER: ISSUE DATE:  
TITLE: LITHIUM BASED ELECTROCHEMICAL CELL SYSTEMS

SERIAL NUMBER: 10741248 FILING DATE: 12/18/2003  
PATENT NUMBER: ISSUE DATE:  
TITLE: ANODE MATERIAL FOR LITHIUM BATTERIES

SERIAL NUMBER: 10746211 FILING DATE: 12/23/2003  
PATENT NUMBER: ISSUE DATE:  
TITLE: ELECTRODES FOR LITHIUM BATTERIES

SERIAL NUMBER: 10780348 FILING DATE: 02/17/2004  
PATENT NUMBER: ISSUE DATE:  
TITLE: METHOD FOR FAST START OF A FUEL PROCESSOR

SERIAL NUMBER: 10782278 FILING DATE: 02/18/2004  
PATENT NUMBER: ISSUE DATE:  
TITLE: CERAMICRETE STABILIZATION OF U-AND PU-BEARING MATERIALS

SERIAL NUMBER: 10789219 FILING DATE: 02/27/2004  
PATENT NUMBER: ISSUE DATE:  
TITLE: FUEL PROCESSOR AND METHOD FOR GENERATING HYDROGEN FOR FUEL CELLS

SERIAL NUMBER: 10794231 FILING DATE: 03/05/2004  
PATENT NUMBER: ISSUE DATE:  
TITLE: SINGLE-STAGE SEPARATION AND ESTERIFICATION OF CATION SALT CARBOXYLATES USING ELECTRODEIONIZATION

SERIAL NUMBER: 10794381 FILING DATE: 03/05/2004  
PATENT NUMBER: ISSUE DATE:  
TITLE: DUAL PHASE MULTIPLEX POLYMERASE CHAIN REACTION

SERIAL NUMBER: 10799181 FILING DATE: 03/12/2004  
PATENT NUMBER: ISSUE DATE:  
TITLE: ATOMIC LAYER DEPOSITION FOR HIGH TEMPERATURE SUPERCONDUCTOR MATERIAL SYNTHESIS

SERIAL NUMBER: 10800292 FILING DATE: 03/12/2004  
PATENT NUMBER: ISSUE DATE:  
TITLE: LAYERED  $Li_{1+x}NiAlPmNbTaAgMnO_2$  CATHODE MATERIALS FOR LI-ION RECHARGEABLE BATTERIES AND METHODS OF MANUFACTURING THE SAME

SERIAL NUMBER: 10803280 FILING DATE: 03/18/2004  
PATENT NUMBER: ISSUE DATE:  
TITLE: METHODS AND COMPOSITIONS FOR SYNTHESIS OF 3'-AMINOLINKERS

SERIAL NUMBER: 10807599 FILING DATE: 03/24/2004  
PATENT NUMBER: ISSUE DATE:  
TITLE: ROBOT-BASED AUTOMATION SYSTEM FOR CRYOGENIC CRYSTAL SAMPLE MOUNTING

SERIAL NUMBER: 10814210 FILING DATE: 03/31/2004  
PATENT NUMBER: ISSUE DATE:  
TITLE: HYDROGEN TRANSPORT MEMBRANES FOR DEHYDROGENATION REACTIONS

SERIAL NUMBER: 10823509 FILING DATE: 04/12/2004  
PATENT NUMBER: ISSUE DATE:  
TITLE: USE OF METAL OXIDE SEMICONDUCTORS TO MANIPULATE BIOLOGICAL MOLECULES

SERIAL NUMBER: 10824741 FILING DATE: 04/15/2004  
PATENT NUMBER: ISSUE DATE:  
TITLE: ELECTRODIALYSIS OPERATION WITH BUFFER SOLUTION

SERIAL NUMBER: 10825572 FILING DATE: 04/15/2004  
PATENT NUMBER: ISSUE DATE:  
TITLE: AUTOMATED AGENT-BASED METHOD FOR IDENTIFYING INFRASTRUCTURE  
INTERDEPENDENCIES

SERIAL NUMBER: 10825931 FILING DATE: 04/15/2004  
PATENT NUMBER: ISSUE DATE:  
TITLE: LITHIUM METAL OXIDE ELECTRODES FOR LITHIUM BATTERIES

SERIAL NUMBER: 10827114 FILING DATE: 04/19/2004  
PATENT NUMBER: 7118591 ISSUE DATE: 10/10/2006  
TITLE: HEAT TRANSFER PROBE

SERIAL NUMBER: 10832753 FILING DATE: 04/27/2004  
PATENT NUMBER: ISSUE DATE:  
TITLE: AUTOHERMAL REFORMING CATALYST WITH PEROVSKITE TYPE STRUCTURE

SERIAL NUMBER: 10841731 FILING DATE: 05/08/2004  
PATENT NUMBER: ISSUE DATE:  
TITLE: METHOD FOR PRODUCING FUNCTIONALLY GRADED NANOCRYSTALLINE LAYER ON  
METAL SURFACE

SERIAL NUMBER: 10845867 FILING DATE: 05/13/2004  
PATENT NUMBER: 7128889 ISSUE DATE: 10/31/2006  
TITLE: METHOD TO GROW CARBON THIN FILMS CONSISTING ENTIRELY OF DIAMOND  
GRAINS 3-5 NM IN SIZE AND HIGH-ENERGY GRAIN BOUNDARIES

SERIAL NUMBER: 10857365 FILING DATE: 05/28/2004  
PATENT NUMBER: ISSUE DATE:  
TITLE: LONG LIFE LITHIUM BATTERIES WITH STABILIZED ELECTRODES

SERIAL NUMBER: 10858806 FILING DATE: 06/02/2004  
PATENT NUMBER: ISSUE DATE:  
TITLE: NICKEL-TITANIUM-PHOSPHATE CATHODES

SERIAL NUMBER: 10859259 FILING DATE: 06/02/2004  
PATENT NUMBER: ISSUE DATE:  
TITLE: PROCESSS FOR PRODUCTION AND PURIFICATION OF FERMENTATION DERIVED  
ORGANIC ACIDS

SERIAL NUMBER: 10863617 FILING DATE: 06/08/2004  
PATENT NUMBER: ISSUE DATE:  
TITLE: LIQUID CRYSTALLINE COMPOSITES CONTAINING PHYLLOSILICATES

SERIAL NUMBER: 10865651 FILING DATE: 06/10/2004  
PATENT NUMBER: ISSUE DATE:  
TITLE: OPTICAL APPARATUS FOR LASER SCATTERING BY OBJECTS HAVING COMPLEX  
SHAPES

SERIAL NUMBER: 10866963 FILING DATE: 06/14/2004  
PATENT NUMBER: ISSUE DATE:  
TITLE: METHOD AND APPARATUS FOR SEPARATING MIXED PLASTICS USING FLOTATION  
TECHNIQUES

SERIAL NUMBER: 10868062 FILING DATE: 06/15/2004  
PATENT NUMBER: ISSUE DATE:  
TITLE: COMPOSITION AND APPLICATION OF NOVEL SPRAYABLE PHOSPHATE CEMENT  
(GRANCRETE) THAT BONDS TO STYROFOAM

SERIAL NUMBER: 10874774 FILING DATE: 06/23/2004  
PATENT NUMBER: ISSUE DATE:  
TITLE: POLYOLEFIN NANOCOMPOSITES

SERIAL NUMBER: 10892736 FILING DATE: 07/15/2004  
PATENT NUMBER: ISSUE DATE:  
TITLE: METHOD TO GROW PURE NANOCRYSTALLINE DIAMOND FILMS AT LOW  
TEMPERATURES AND HIGH DEPOSITION RATES

SERIAL NUMBER: 10903514 FILING DATE: 07/30/2004  
PATENT NUMBER: ISSUE DATE:  
TITLE: METHOD AND APPARATUS FOR PREPARATION OF SPHERICAL METAL CARBONATES  
AND LITHIUM METAL OXIDES FOR LITHIUM RECHARGEABLE BATTERIES

SERIAL NUMBER: 10903705 / FILING DATE: 07/30/2004  
PATENT NUMBER: ISSUE DATE:  
TITLE: METHODS TO IMPROVE LUBRICITY OF FUELS AND LUBRICANTS

SERIAL NUMBER: 10940467 FILING DATE: 09/14/2004  
PATENT NUMBER: 7114858 ISSUE DATE: 10/03/2006  
TITLE: LASER BASED IGNITION SYSTEM FOR NATURAL GAS RECIPROCATING ENGINES,  
LASER BASED IGNITION SYSTEM HAVING CAPABILITY TO DETECT SUCCESSFUL  
IGNITION EVENT; AND DISTRIBUTOR SYSTEM FOR USE WITH HIGH-POWERED  
PULSED LASERS

SERIAL NUMBER: 10941592 FILING DATE: 09/14/2004  
PATENT NUMBER: ISSUE DATE:  
TITLE: PERMAFROST CERAMICRETE

SERIAL NUMBER: 10941800 FILING DATE: 09/14/2004  
PATENT NUMBER: ISSUE DATE:  
TITLE: CATALYTIC NANOPOROUS MEMBRANES

SERIAL NUMBER: 10945834 FILING DATE: 09/21/2004  
PATENT NUMBER: ISSUE DATE:  
TITLE: OMEGA-AMINO-PEG-PHOSPHORAMIDITES AND CONJUGATES THEREOF

SERIAL NUMBER: 10951558 FILING DATE: 09/28/2004  
PATENT NUMBER: ISSUE DATE: 9/21/04  
TITLE: PACKAGING FOR PRIMARY AND SECONDARY BATTERIES

SERIAL NUMBER: 10969667 : FILING DATE: 10/20/2004  
PATENT NUMBER: ISSUE DATE:  
TITLE: RELIABLE DISK DRIVE AND METHOD

SERIAL NUMBER: 10971507 FILING DATE: 10/21/2004  
PATENT NUMBER: ISSUE DATE:  
TITLE: ELECTROCHEMICAL DEVICE HAVING ELECTROLYTE INCLUDING DISTILL

SERIAL NUMBER: 10971913 FILING DATE: 10/21/2004  
PATENT NUMBER: ISSUE DATE:  
TITLE: ELECTROCHEMICAL DEVICE HAVING ELECTROLYTE INCLUDING TRISILOXANE

SERIAL NUMBER: 10971926 FILING DATE: 10/21/2004  
PATENT NUMBER: ISSUE DATE:  
TITLE: ELECTROCHEMICAL DEVICE HAVING AN ELECTROLYTE THAT INCLUDES A TETRASILOXANE

SERIAL NUMBER: 10980507 FILING DATE: 11/03/2004  
PATENT NUMBER: ISSUE DATE:  
TITLE: PATTERN TRANSFER WITH SELF-SIMILAR SACRIFICIAL MASK LAYER AND VECTOR MAGNETIC FIELD SENSOR

SERIAL NUMBER: 10993642 FILING DATE: 11/19/2004  
PATENT NUMBER: ISSUE DATE:  
TITLE: RETENTION OF COUNTERIONS IN THE SEPARATIVE BIOREACTOR

SERIAL NUMBER: 11001193 FILING DATE: 12/01/2004  
PATENT NUMBER: ISSUE DATE:  
TITLE: ULTRAFAST AND ULTRASENSITIVE HYDROGEN SENSORS BASED ON SELF-ASSEMBLY MONOLAYER PROMOTED 2-DIMENSIONAL PALLADIUM NANoclUSTERS

SERIAL NUMBER: 11040914 FILING DATE: 01/21/2005  
PATENT NUMBER: ISSUE DATE:  
TITLE: SINGLE METAL NANOPARTICLE SCATTERING INTERFEROMETER

SERIAL NUMBER: 11056866 FILING DATE: 02/10/2005  
PATENT NUMBER: ISSUE DATE:  
TITLE: ELECTROCHEMICAL DEVICE HAVING ELECTROLYTE INCLUDING DISILOXANE

SERIAL NUMBER: 11056867 FILING DATE: 02/10/2005  
PATENT NUMBER: ISSUE DATE:  
TITLE: ELECTROCHEMICAL DEVICE HAVING ELECTROLYTE INCLUDING TRISILOXANE

SERIAL NUMBER: 11056868 FILING DATE: 02/10/2005  
PATENT NUMBER: ISSUE DATE:  
TITLE: ELECTROCHEMICAL DEVICE HAVING AN ELECTROLYTE THAT INCLUDES A TETRASILOXANE

SERIAL NUMBER: 11057790 FILING DATE: 02/14/2005  
PATENT NUMBER: ISSUE DATE:  
TITLE: MANGANESE OXIDE COMPOSITE ELECTRODES FOR LITHIUM BATTERIES

SERIAL NUMBER: 11066791 FILING DATE: 02/25/2005  
PATENT NUMBER: ISSUE DATE:  
TITLE: SYNTHESIS OF 3'-, OR 5'-, OR INTERNAL METHACRYLAMIDO-MODIFIED OLIGONUCLEOTIDES

SERIAL NUMBER: 11073263 FILING DATE: 03/03/2005  
PATENT NUMBER: ISSUE DATE:  
TITLE: LAYERED CU-BASED ELECTRODE FOR HIGH-DIELECTRIC CONSTANT OXIDE THIN FILM-BASED DEVICES

SERIAL NUMBER: 11082468 FILING DATE: 03/17/2005  
PATENT NUMBER: ISSUE DATE:  
TITLE: ELECTRONICALLY AND IONICALLY CONDUCTIVE POROUS MATERIAL AND METHOD FOR MANUFACTURE OF RESIN WAFERS THEREFROM

SERIAL NUMBER: 11082469 FILING DATE: 03/17/2005  
PATENT NUMBER: ISSUE DATE:  
TITLE: DEVICES USING RESIN WAFERS AND APPLICATIONS THEREOF

SERIAL NUMBER: 11084940 FILING DATE: 03/21/2005  
PATENT NUMBER: ISSUE DATE:  
TITLE: THREE-ELECTRODE METAL OXIDE REDUCTION CELL

SERIAL NUMBER: 11088606 FILING DATE: 03/23/2005  
PATENT NUMBER: ISSUE DATE:  
TITLE: DETERMINATION OF THE HYDROGEN STORAGE CAPACITY OF NOVEL SEPIOLITE-DERIVED CARBONACEOUS MATERIALS

SERIAL NUMBER: 11097603 FILING DATE: 04/01/2005  
PATENT NUMBER: ISSUE DATE:  
TITLE: SYNTHESIS OF A SELF ASSEMBLED HYBRID OF ULTRANANOCRYSTALLINE DIAMOND AND CARBON NANOTUBES

SERIAL NUMBER: 11104894 FILING DATE: 04/13/2005  
PATENT NUMBER: ISSUE DATE:  
TITLE: EJECTOR/INJECTOR TOOL FOR USE WITH CONE PENETROMETER

SERIAL NUMBER: 11113739 FILING DATE: 04/25/2005  
PATENT NUMBER: ISSUE DATE:  
TITLE: CATALYTIC MEMBRANES FOR CO OXIDATION IN FUEL CELLS

SERIAL NUMBER: 11113826 FILING DATE: 04/25/2005  
PATENT NUMBER: ISSUE DATE:  
TITLE: MAGNETIC NANOPARTICLES FOR BIOMEDICAL APPLICATIONS

SERIAL NUMBER: 11121425 FILING DATE: 05/04/2005  
PATENT NUMBER: ISSUE DATE:  
TITLE: THERMALLY STABLE SURFACTANTS AND COMPOSITIONS AND METHODS OF USE THEREOF

SERIAL NUMBER: 11123602 FILING DATE: 05/06/2005  
PATENT NUMBER: ISSUE DATE:  
TITLE: HERMETIC BIO-INERT COATINGS FOR BIO-IMPLANTS FABRICATED USING ATOMIC LAYER DEPOSITION

SERIAL NUMBER: 11135101 FILING DATE: 05/23/2005  
PATENT NUMBER: ISSUE DATE:  
TITLE: METHODS FOR FABRICATING LITHIUM RECHARGEABLE BATTERIES

SERIAL NUMBER: 11143417 FILING DATE: 06/02/2005  
PATENT NUMBER: ISSUE DATE:  
TITLE: HIGH POWER, LONG FOCUS ELECTRON SOURCE FOR BEAM PROCESSING

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SERIAL NUMBER: 11143837 FILING DATE: 06/02/2005  
PATENT NUMBER: ISSUE DATE:  
TITLE: LAPAROSCOPIC TUMOR THERAPY USING HIGH ENERGY ELECTRON IRRADIATION

SERIAL NUMBER: 11149901 FILING DATE: 06/10/2005  
PATENT NUMBER: ISSUE DATE:  
TITLE: CUSTOMIZED OLIGONUCLEOTIDE MICROCHIPS THAT CONVERT MULTIPLE GENETIC INFORMATION TO SIMPLER PATTERNS, ARE PORTABLE AND REUSABLE

SERIAL NUMBER: 11153815 FILING DATE: 06/15/2005  
PATENT NUMBER: ISSUE DATE:  
TITLE: COMPACT SYSTEM AND METHOD FOR THE PRODUCTION OF LONG-WAVELENGTH, ELECTROMAGNETIC RADIATION EXTENDING OVER THE TERAHERTZ REGIME

SERIAL NUMBER: 11167067 FILING DATE: 06/24/2005  
PATENT NUMBER: ISSUE DATE:  
TITLE: NANOSTRUCTURES SYNTHESIZED USING ANODIC ALUMINUM OXIDE

SERIAL NUMBER: 11182567 FILING DATE: 07/15/2005  
PATENT NUMBER: ISSUE DATE:  
TITLE: SYNCHRONIZATION MATRIX PROCESS FOR TOTAL EMERGENCY MANAGEMENT

SERIAL NUMBER: 11190784 FILING DATE: 07/27/2005  
PATENT NUMBER: ISSUE DATE:  
TITLE: METHOD FOR DETECTION AND IMAGING OVER A BROAD SPECTRAL RANGE

SERIAL NUMBER: 11196366 FILING DATE: 08/03/2005  
PATENT NUMBER: ISSUE DATE:  
TITLE: VECTOR FOR IMPROVED IN VIVO PRODUCTION OF PROTEINS

SERIAL NUMBER: 11204331 FILING DATE: 08/15/2005  
PATENT NUMBER: ISSUE DATE:  
TITLE: CONSTRUCTION MATERIAL

SERIAL NUMBER: 11204332 FILING DATE: 08/15/2005  
PATENT NUMBER: ISSUE DATE:  
TITLE: METHOD OF BINDING STRUCTURAL MATERIAL

SERIAL NUMBER: 11204512 FILING DATE: 08/16/2005  
PATENT NUMBER: ISSUE DATE:  
TITLE: MANGANESE OXIDE COMPOSITE ELECTRODES FOR LITHIUM BATTERIES

SERIAL NUMBER: 11207379 FILING DATE: 08/19/2005  
PATENT NUMBER: ISSUE DATE:  
TITLE: MONOLITHIC INTEGRATED PASSIVE AND ACTIVE ELECTRONIC DEVICES WITH BIOCOMPATIBLE COATINGS

SERIAL NUMBER: 11211135 FILING DATE: 08/24/2005  
PATENT NUMBER: ISSUE DATE:  
TITLE: SILVER VANADIUM OXIDE-FLUORIDE MATERIAL USEFUL AS A BATTERY CATHODE

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SERIAL NUMBER: 11212087 FILING DATE: 08/24/2005  
PATENT NUMBER: ISSUE DATE:  
TITLE: CHEMICALLY BONDED PHOSPHATE CERAMIC SEALANT FORMULATIONS FOR OIL FIELD APPLICATIONS

SERIAL NUMBER: 11226703 FILING DATE: 09/13/2005  
PATENT NUMBER: ISSUE DATE:  
TITLE: ALL DIAMOND SELF-ALIGNED THIN FILM TRANSISTOR

SERIAL NUMBER: 11228064 FILING DATE: 09/16/2005  
PATENT NUMBER: ISSUE DATE:  
TITLE: HIGH-TEMPERATURE POTENTIOMETRIC OXYGEN SENSOR WITH INTERNAL REFERENCE

SERIAL NUMBER: 11230281 FILING DATE: 09/19/2005  
PATENT NUMBER: ISSUE DATE:  
TITLE: BROADBAND SURFACE PLASMON JETS: DIRECT OBSERVATION OF PLASMON PROPAGATION FOR APPLICATION TO SENSORS AND OPTICAL COMMUNICATIONS IN MICROSCALE AND NANOSCALE CIRCUITRY

SERIAL NUMBER: 11233913 FILING DATE: 09/23/2005  
PATENT NUMBER: ISSUE DATE:  
TITLE: DEVICE FOR DETECTING MOLECULES, METHOD FOR DETECTING MOLECULES

SERIAL NUMBER: 11237365 FILING DATE: 09/28/2005  
PATENT NUMBER: ISSUE DATE:  
TITLE: METHOD OF DECONTAMINATING A POROUS SURFACE CONTAMINATED WITH CESIUM

SERIAL NUMBER: 11238196 FILING DATE: 09/29/2005  
PATENT NUMBER: ISSUE DATE:  
TITLE: OPTOMECHANICAL STRUCTURE FOR A MULTIFUNCTIONAL HARD X-RAY NANOPROBE INSTRUMENT

SERIAL NUMBER: 11248661 FILING DATE: 10/11/2005  
PATENT NUMBER: ISSUE DATE:  
TITLE: FIELD EMISSION CATHODE GATING FOR RF ELECTRON GUNS AND PLANAR FOCUSING CATHODES

SERIAL NUMBER: 11267056 FILING DATE: 11/04/2005  
PATENT NUMBER: ISSUE DATE:  
TITLE: MULTI-RADIATION LARGE AREA DETECTOR

SERIAL NUMBER: 11271462 FILING DATE: 11/10/2005  
PATENT NUMBER: ISSUE DATE:  
TITLE: LITHIUM METAL OXIDE ELECTRODES FOR LITHIUM CELLS AND BATTERIES

SERIAL NUMBER: 11291254 FILING DATE: 12/01/2005  
PATENT NUMBER: ISSUE DATE:  
TITLE: PROTON CONDUCTING MEMBRANE FOR FUEL CELLS

SERIAL NUMBER: 11297120 FILING DATE: 12/08/2005  
PATENT NUMBER: ISSUE DATE:  
TITLE: LONG LIFE LITHIUM BATTERIES WITH STABILIZED ELECTRODES

SERIAL NUMBER: 11302419 FILING DATE: 12/12/2005  
PATENT NUMBER:  
TITLE: JOINING OF ADVANCED MATERIALS BY SUPERPLASTIC DEFORMATION

SERIAL NUMBER: 11329937 FILING DATE: 01/11/2006  
PATENT NUMBER:  
TITLE: METHOD FOR FABRICATION OF HIGH TEMPERATURE SUPERCONDUCTORS

SERIAL NUMBER: 11338092 FILING DATE: 01/24/2006  
PATENT NUMBER:  
TITLE: SHEET FLOORING HAVING EMBEDDED SELVAGE PATTERN MATCH INDICATORS

SERIAL NUMBER: 11345947 FILING DATE: 02/02/2006  
PATENT NUMBER:  
TITLE: LITHIUM-ION BATTERIES WITH INTRINSIC PULSE OVERCHARGE PROTECTION

SERIAL NUMBER: 11350005 FILING DATE: 02/08/2006  
PATENT NUMBER:  
TITLE: METHOD TO GROW CARBON THIN FILMS CONSISTING ENTIRELY OF DIAMOND GRAINS 3-5 NM IN SIZE AND HIGH-ENERGY GRAIN BOUNDARIES

SERIAL NUMBER: 11353286 FILING DATE: 02/09/2006  
PATENT NUMBER:  
TITLE: WATER AND/OR ALCOHOL WATER SECONDARY INJECTION SYSTEM FOR DIESEL ENGINES

SERIAL NUMBER: 11362484 FILING DATE: 02/24/2006  
PATENT NUMBER:  
TITLE: AUTOMATED MULTICOLOR FLUORESCENT MICROSCOPE WITH SCANNING AND THERMOSTATIC ABILITY

SERIAL NUMBER: 11366891 FILING DATE: 03/01/2006  
PATENT NUMBER:  
TITLE: NOVEL REDOX SHUTTLES FOR OVERCHARGE PROTECTION OF LITHIUM BATTERIES

SERIAL NUMBER: 11368116 FILING DATE: 03/03/2006  
PATENT NUMBER:  
TITLE: METHOD OF FABRICATING ELECTRODE CATALYST LAYERS WITH DIRECTIONALLY ORIENTED CARBON SUPPORT FOR PROTON EXCHANGE MEMBRANE FUEL CELL

SERIAL NUMBER: 11368120 FILING DATE: 03/03/2006  
PATENT NUMBER:  
TITLE: ALIGNED CARBON NANOTUBE WITH ELECTRO-CATALYTIC ACTIVITY FOR OXYGEN REDUCTION REACTION

SERIAL NUMBER: 11373054 FILING DATE: 03/10/2006  
PATENT NUMBER:  
TITLE: NON-AQUEOUS ELECTROLYTES FOR LITHIUM ION BATTERIES

SERIAL NUMBER: 11374849 FILING DATE: 03/14/2006  
PATENT NUMBER:  
TITLE: SURFACE MODIFICATION TO IMPROVE FIRESIDE CORROSION RESISTANCE OF FE-CR FERRITIC STEELS

SERIAL NUMBER: 11378145 FILING DATE: 03/16/2006  
PATENT NUMBER: ISSUE DATE:  
TITLE: LITHIUM METAL OXIDE ELECTRODES FOR LITHIUM BATTERIES

SERIAL NUMBER: 11384792 FILING DATE: 03/20/2006  
PATENT NUMBER: ISSUE DATE:  
TITLE: NANOSIZED BIOLOGICAL CONTAINER AND MANUFACTURE THEREOF

SERIAL NUMBER: 11388636 FILING DATE: 03/24/2006  
PATENT NUMBER: ISSUE DATE:  
TITLE: NOVEL ULTRANANOCRYSTALLINE DIAMOND PROBES FOR HIGH-RESOLUTION LOW-WEAR NANOLITHOGRAPHIC TECHNIQUES

SERIAL NUMBER: 11393603 FILING DATE: 03/30/2006  
PATENT NUMBER: ISSUE DATE:  
TITLE: EFFICIENT PROCESS FOR MAKING TACKIFIERS AND ADHESIVES

SERIAL NUMBER: 11399034 FILING DATE: 04/05/2006  
PATENT NUMBER: ISSUE DATE:  
TITLE: COVALENT ATTACHMENT OF BIOMOLECULES TO SOLID SUPPORTS BY A POLYMERIZATION METHOD

SERIAL NUMBER: 11404697 FILING DATE: 04/14/2006  
PATENT NUMBER: ISSUE DATE:  
TITLE: METHODS OF USING A LASER TO PERFORATE COMPOSITE STRUCTURES OF STEEL CASING, CEMENT AND ROCKS

SERIAL NUMBER: 11404698 FILING DATE: 04/14/2006  
PATENT NUMBER: ISSUE DATE:  
TITLE: METHODS OF USING A LASER TO SPALL AND DRILL HOLES IN ROCKS

SERIAL NUMBER: 11404794 FILING DATE: 04/14/2006  
PATENT NUMBER: ISSUE DATE:  
TITLE: POLYMER NANOCOMPOSITES FOR LITHIUM BATTERY APPLICATIONS

SERIAL NUMBER: 11406097 FILING DATE: 04/18/2006  
PATENT NUMBER: ISSUE DATE:  
TITLE: BIPOLAR PLATE SUPPORTED SOLID OXIDE FUEL CELL WITH A SEALED ANODE COMPARTMENT

SERIAL NUMBER: 11407711 FILING DATE: 04/20/2006  
PATENT NUMBER: ISSUE DATE:  
TITLE: PASSIVE MILLIMETER WAVE SPECTROMETER FOR REMOTE DETECTION OF CHEMICAL PLUMES

SERIAL NUMBER: 11410757 FILING DATE: 04/25/2006  
PATENT NUMBER: ISSUE DATE:  
TITLE: PROCESSES FOR MAKING DENSE, SPHERICAL ACTIVE MATERIALS FOR LITHIUM-ION CELLS

SERIAL NUMBER: 11413698 FILING DATE: 04/28/2006  
PATENT NUMBER: ISSUE DATE:  
TITLE: TRACKING OF MOVING RADIOACTIVE SOURCES

SERIAL NUMBER: 11418954 FILING DATE: 05/05/2006  
PATENT NUMBER: ISSUE DATE:  
TITLE: METHOD FOR FABRICATING DENSE THIN FILM CERMET HYDROGEN SEPARATION MEMBRANE

SERIAL NUMBER: 11418955 FILING DATE: 05/05/2006  
PATENT NUMBER: ISSUE DATE:  
TITLE: METHOD FOR FABRICATING A HYDROGEN SEPARATION MEMBRANE ON A POROUS SUBSTRATE

SERIAL NUMBER: 11418957 FILING DATE: 05/05/2006  
PATENT NUMBER: ISSUE DATE:  
TITLE: THERMAL METHOD FOR FABRICATING A HYDROGEN SEPARATION MEMBRANE ON A POROUS SUBSTRATE

SERIAL NUMBER: 11425667 FILING DATE: 06/21/2006  
PATENT NUMBER: ISSUE DATE:  
TITLE: PREPARATION OF PLASTIC SUPPORTS FOR BIOCHIPS

SERIAL NUMBER: 11429016 FILING DATE: 05/03/2006  
PATENT NUMBER: ISSUE DATE:  
TITLE: USE OF TUNGSTEN INTERLAYER TO ENHANCE THE INITIAL NUCLEATION AND CONFORMALITY OF ULTRANANOCRYSTALLINE DIAMOND (UNCD) THIN FILMS

SERIAL NUMBER: 11438180 FILING DATE: 05/22/2006  
PATENT NUMBER: ISSUE DATE:  
TITLE: BIO-INORGANIC CONJUGATES

SERIAL NUMBER: 11443566 FILING DATE: 05/31/2006  
PATENT NUMBER: ISSUE DATE:  
TITLE: NICKEL BASED ALLOYS TO PREVENT METAL DUSTING DEGRADATION

SERIAL NUMBER: 11443714 FILING DATE: 05/31/2006  
PATENT NUMBER: ISSUE DATE:  
TITLE: INTEGRATED ELECTRON BEAM TIP AND SAMPLE HEATING DEVICE FOR A SCANNING TUNNELING MICROSCOPE

SERIAL NUMBER: 11443955 FILING DATE: 05/31/2006  
PATENT NUMBER: ISSUE DATE:  
TITLE: SEMICONDUCTOR-BASED DETECTION AND DECONTAMINATION SYSTEM

SERIAL NUMBER: 11444219 FILING DATE: 05/31/2006  
PATENT NUMBER: ISSUE DATE:  
TITLE: ELECTRODE MATERIALS AND LITHIUM BATTERY SYSTEMS

SERIAL NUMBER: 11444241 FILING DATE: 05/31/2006  
PATENT NUMBER: ISSUE DATE:  
TITLE: MODULAR, MICRO-SCALE, OPTICAL ARRAY AND BIODETECTION SYSTEM

SERIAL NUMBER: 11444242 FILING DATE: 05/31/2006  
PATENT NUMBER: ISSUE DATE:  
TITLE: COMBINATORIAL ELECTROCHEMICAL DEPOSITION SYSTEM

SERIAL NUMBER: 11450619 FILING DATE: 06/09/2006  
PATENT NUMBER: ISSUE DATE:  
TITLE: NITROGEN ENRICHED COMBUSTION OF A NATURAL GAS INTERNAL COMBUSTION ENGINE TO REDUCE NOX EMISSIONS

SERIAL NUMBER: 11452052 FILING DATE: 06/13/2006  
PATENT NUMBER: ISSUE DATE:  
TITLE: METHOD FOR ANALYZING MULTI-LAYER MATERIALS FROM ONE-SIDED PULSED THERMAL IMAGING

SERIAL NUMBER: 11452156 FILING DATE: 06/13/2006  
PATENT NUMBER: ISSUE DATE:  
TITLE: OPTICAL FILTER FOR FLASH LAMPS IN PULSED THERMAL IMAGING

SERIAL NUMBER: 11454724 FILING DATE: 06/16/2006 ✓  
PATENT NUMBER: ISSUE DATE:  
TITLE: LIGHT WEIGHT PHOSPHATE CEMENTS

SERIAL NUMBER: 11455358 FILING DATE: 06/19/2006  
PATENT NUMBER: ISSUE DATE:  
TITLE: CATHODE MATERIAL FOR LITHIUM BATTERIES

SERIAL NUMBER: 11466717 FILING DATE: 08/23/2006  
PATENT NUMBER: ISSUE DATE:  
TITLE: METHOD TO IMPROVE QUALITY OF MICROARRAYS BY CONTROLLING EVAPORATION

SERIAL NUMBER: 11479797 FILING DATE: 06/30/2006  
PATENT NUMBER: ISSUE DATE:  
TITLE: HIGH RESOLUTION X-RAY AND GAMMA RAY IMAGING USING DIFFRACTION LENSES WITH MECHANICALLY BENT CRYSTALS

SERIAL NUMBER: 11484348 FILING DATE: 07/11/2006  
PATENT NUMBER: ISSUE DATE:  
TITLE: NMR CHARACTERIZATION OF THIN FILMS

SERIAL NUMBER: 11484349 FILING DATE: 07/11/2006  
PATENT NUMBER: ISSUE DATE:  
TITLE: MOLECULE NANOWEAVER

SERIAL NUMBER: 11485203 FILING DATE: 07/12/2006  
PATENT NUMBER: ISSUE DATE:  
TITLE: METHOD AND APPARATUS FOR IMPLEMENTING NON-DESTRUCTIVE QUALITY CONTROL OF SUBSTRATES AND PRINTED BIOLOGICAL MICROARRAYS, AND FOR IMPLEMENTING QUALITY CONTROL AND VISUALIZING GEL-BASED MICROARRAYS PREPARED BY DISPENSING GEL-FORMING COMPOSITION ON SOLID SURFACES

SERIAL NUMBER: 11496195 FILING DATE: 07/31/2006  
PATENT NUMBER: ISSUE DATE:  
TITLE: SURFACE ACOUSTIC WAVE PROBE IMPLANT FOR PREDICTING EPILEPTIC SEIZURES

SERIAL NUMBER: 07589562 FILING DATE: 09/28/1990  
PATENT NUMBER: 5086034 ISSUE DATE: 02/04/1992  
TITLE: CALCINATION AND SOLID STATE REACTION OF CERAMIC-FORMING COMPONENTS TO PROVIDE SINGLE-PHASE SUPERCONDUCTING MATERIALS HAVING FINE PARTICLE SIZE

SERIAL NUMBER: 07582525 FILING DATE: 09/14/1990  
PATENT NUMBER: 5194298 ISSUE DATE: 03/16/1993  
TITLE: METHOD OF PREPARING CORROSION RESISTANT COMPOSITE MATERIALS

SERIAL NUMBER: 07739029 FILING DATE: 08/01/1991  
PATENT NUMBER: 5211923 ISSUE DATE: 05/18/1993  
TITLE: HYDROGEN AND SULFUR RECOVERY FROM HYDROGEN SULFIDE WASTES

SERIAL NUMBER: 07928790 FILING DATE: 08/11/1992  
PATENT NUMBER: 5411149 ISSUE DATE: 05/02/1995  
TITLE: AQUEOUS BIPHASIC EXTRACTION PROCESS WITH PH AND PARTICLE CONTROL

SERIAL NUMBER: 08129964 FILING DATE: 09/30/1993  
PATENT NUMBER: 5429727 ISSUE DATE: 07/04/1995  
TITLE: ELECTROCATALYTIC CERMET GAS DETECTOR/SENSOR

SERIAL NUMBER: 08048652 FILING DATE: 04/16/1993  
PATENT NUMBER: 5440210 ISSUE DATE: 08/08/1995  
TITLE: INDIRECTLY SENSING ACCELERATOR BEAM CURRENTS FOR LIMITING MAXIMUM BEAM CURRENT MAGNITUDE

SERIAL NUMBER: 08289751 FILING DATE: 08/12/1994  
PATENT NUMBER: 5453331 ISSUE DATE: 09/26/1995  
TITLE: COMPLIANT SEALANTS FOR SOLID OXIDE FUEL CELLS AND OTHER CERAMICS

SERIAL NUMBER: 08028782 FILING DATE: 03/10/1993  
PATENT NUMBER: 5455206 ISSUE DATE: 10/03/1995  
TITLE: CORROSION RESISTANT CERAMIC MATERIALS

SERIAL NUMBER: 08191643 FILING DATE: 02/04/1994  
PATENT NUMBER: 5468456 ISSUE DATE: 11/21/1995  
TITLE: BATCH EXTRACTING PROCESS USING MAGNETICPARTICLE HELD SOLVENTS

SERIAL NUMBER: 08262998 FILING DATE: 06/20/1994  
PATENT NUMBER: 5468964 ISSUE DATE: 11/21/1995  
TITLE: MILLIMETER WAVE SENSOR FOR MONITORING EFFLUENTS

SERIAL NUMBER: 08372067 FILING DATE: 01/12/1995  
PATENT NUMBER: 5504060 ISSUE DATE: 04/02/1996  
TITLE: METHOD FOR HARVESTING RARE EARTH BARIUM COPPER OXIDE SINGLE CRYSTALS

SERIAL NUMBER: 08522618 FILING DATE: 09/01/1995  
PATENT NUMBER: 5510624 ISSUE DATE: 04/23/1996  
TITLE: SIMULTANEOUS SPECIMEN AND STAGE CLEANING DEVICE FOR ANALYTICAL ELECTRON MICROSCOPE

|                                                                                                                 |                         |
|-----------------------------------------------------------------------------------------------------------------|-------------------------|
| SERIAL NUMBER: 08297979                                                                                         | FILING DATE: 08/30/1994 |
| PATENT NUMBER: 5526903                                                                                          | ISSUE DATE: 06/18/1996  |
| TITLE: LOW PROFILE, HIGH LOAD VERTICAL ROLLING POSITIONING STAGE                                                |                         |
| SERIAL NUMBER: 08312053                                                                                         | FILING DATE: 09/26/1994 |
| PATENT NUMBER: 5532078                                                                                          | ISSUE DATE: 07/02/1996  |
| TITLE: ELECTROCHEMICAL CELL                                                                                     |                         |
| SERIAL NUMBER: 08211554                                                                                         | FILING DATE: 12/05/1994 |
| PATENT NUMBER: 5536593                                                                                          | ISSUE DATE: 07/16/1996  |
| TITLE: ELECTROCHEMICAL CELL                                                                                     |                         |
| SERIAL NUMBER: 08372042                                                                                         | FILING DATE: 01/12/1995 |
| PATENT NUMBER: 5549748                                                                                          | ISSUE DATE: 08/27/1996  |
| TITLE: METHOD FOR HARVESTING SINGLE CRYSTALS FROM A PERITECTIC MELT                                             |                         |
| SERIAL NUMBER: 08156429                                                                                         | FILING DATE: 11/23/1993 |
| PATENT NUMBER: 5563565                                                                                          | ISSUE DATE: 10/08/1996  |
| TITLE: METHOD FOR OBTAINING LARGE LEVITATION PRESSURE IN SUPERCONDUCTING MAGNETIC BEARINGS                      |                         |
| SERIAL NUMBER: 08541866                                                                                         | FILING DATE: 10/10/1995 |
| PATENT NUMBER: 5602886                                                                                          | ISSUE DATE: 02/11/1997  |
| TITLE: NEURAL NET CONTROLLED TAG GAS SAMPLING SYSTEM FOR NUCLEAR REACTORS                                       |                         |
| SERIAL NUMBER: 08671325                                                                                         | FILING DATE: 06/27/1996 |
| PATENT NUMBER: 5604162                                                                                          | ISSUE DATE: 02/18/1997  |
| TITLE: A PROCESS OF PREPARING TRITIATED POROUS SILICON                                                          |                         |
| SERIAL NUMBER: 08517001                                                                                         | FILING DATE: 08/18/1995 |
| PATENT NUMBER: 5605171                                                                                          | ISSUE DATE: 02/25/1997  |
| TITLE: POROUS SILICON WITH EMBEDDED TRITIUM AS A STAND-ALONE PRIME POWER SOURCE FOR OPTOELECTRONIC APPLICATIONS |                         |
| SERIAL NUMBER: 08531399                                                                                         | FILING DATE: 09/21/1995 |
| PATENT NUMBER: 5611854                                                                                          | ISSUE DATE: 03/18/1997  |
| TITLE: SEED CRYSTALS WITH IMPROVED PROPERTIES FOR MELT PROCESSING SUPERCONDUCTORS FOR PRACTICAL APPLICATIONS    |                         |
| SERIAL NUMBER: 08143866                                                                                         | FILING DATE: 10/27/1993 |
| PATENT NUMBER: 5620512                                                                                          | ISSUE DATE: 04/15/1997  |
| TITLE: DIAMOND FILM GROWTH FROM FULLERENE PRECURSORS                                                            |                         |
| SERIAL NUMBER: 08598029                                                                                         | FILING DATE: 02/07/1996 |
| PATENT NUMBER: 5636619                                                                                          | ISSUE DATE: 06/10/1997  |
| TITLE: METHOD AND APPARATUS FOR REDUCING COLD-PHASE EMISSIONS BY UTILIZING OXYGEN-ENRICHED INTAKE AIR           |                         |
| SERIAL NUMBER: 08380922                                                                                         | FILING DATE: 01/31/1995 |
| PATENT NUMBER: 5645518                                                                                          | ISSUE DATE: 07/08/1997  |
| TITLE: METHOD FOR STABILIZING LOW-LEVEL MIXED WASTES AT ROOM TEMPERATURE                                        |                         |

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SERIAL NUMBER: 08710520 FILING DATE: 09/18/1996  
PATENT NUMBER: 5649517 ISSUE DATE: 07/22/1997  
TITLE: VARIABLE OXYGEN/NITROGEN ENRICHED INTAKE AIR SYSTEM FOR INTERNAL COMBUSTION ENGINE APPLICATIONS

SERIAL NUMBER: 08618625 FILING DATE: 03/19/1996  
PATENT NUMBER: 5653867 ISSUE DATE: 08/05/1997  
TITLE: METHOD FOR THE SEPARATION OF HIGH IMPACT POLYSTYRENE (HIPS) AND ACRYLONITRILE BUTADIENE STYRENE (ABS) PLASTICS

SERIAL NUMBER: 08486302 FILING DATE: 06/07/1995  
PATENT NUMBER: 5654683 ISSUE DATE: 08/05/1997  
TITLE: METHOD FOR OBTAINING LARGE LEVITATION PRESSURE IN SUPERCONDUCTING MAGNETIC BEARINGS

SERIAL NUMBER: 08317353 FILING DATE: 10/04/1994  
PATENT NUMBER: 5661113 ISSUE DATE: 08/26/1997  
TITLE: NEAR NET SHAPE PROCESSING OF CONTINUOUS LENGTHS OF SUPERCONDUCTING WIRE

SERIAL NUMBER: 08589857 FILING DATE: 01/22/1996  
PATENT NUMBER: 5674415 ISSUE DATE: 10/07/1997  
TITLE: METHOD AND APPARATUS FOR REAL TIME WELD MONITORING

SERIAL NUMBER: 08713833 FILING DATE: 09/13/1996  
PATENT NUMBER: 5689332 ISSUE DATE: 11/18/1997  
TITLE: AUTOMATED REAL-TIME DETECTION OF DEFECTS DURING MACHINING OF CERAMICS

SERIAL NUMBER: 08543522 FILING DATE: 10/16/1995  
PATENT NUMBER: 5723639 ISSUE DATE: 03/03/1998  
TITLE: ESTERIFICATION OF FERMENTATION-DERIVED ACIDS VIA PERVAPORATION

SERIAL NUMBER: 08749980 FILING DATE: 11/15/1996  
PATENT NUMBER: 5725218 ISSUE DATE: 03/10/1998  
TITLE: HIGH TEMPERATURE SEAL FOR JOINING CERAMICS AND METAL ALLOYS

SERIAL NUMBER: 08411711 FILING DATE: 06/02/1995  
PATENT NUMBER: 5741700 ISSUE DATE: 04/21/1998  
TITLE: METHOD OF IMMOBILIZING WATER-SOLUBLE BIOORGANIC COMPOUNDS ON A CAPILLARY-POROUS CARRIER

SERIAL NUMBER: 08411792 FILING DATE: 05/26/1995  
PATENT NUMBER: 5756050 ISSUE DATE: 05/26/1998  
TITLE: DEVICE OF DISPENSING MICRO DOSES OF AQUEOUS SOLUTIONS OF SUBSTANCES ONTO A CARRIER AND DEVICE FOR CARRYING OUT SAID METHOD

SERIAL NUMBER: 08556805 FILING DATE: 11/02/1995  
PATENT NUMBER: 5770435 ISSUE DATE: 06/23/1998  
TITLE: MUTANT E. COLI STRAIN WITH INCREASED SUCCINIC ACID PRODUCTION

SERIAL NUMBER: 08411794 FILING DATE: 05/19/1995  
PATENT NUMBER: 5770721 ISSUE DATE: 06/23/1998  
TITLE: METHOD OF MANUFACTURING A MATRIX FOR THE DETECTION OF MISMATCHES

SERIAL NUMBER: 08540916 FILING DATE: 10/11/1995  
PATENT NUMBER: 5772760 ISSUE DATE: 06/30/1998  
TITLE: METHOD FOR THE PREPARATION OF NANOCRYSTALLINE DIAMOND THIN FILMS

SERIAL NUMBER: 08641979 FILING DATE: 05/01/1996  
PATENT NUMBER: 5772863 ISSUE DATE: 06/30/1998  
TITLE: ELECTROCATALYTIC CERMET SENSOR

SERIAL NUMBER: 08834687 FILING DATE: 04/01/1997  
PATENT NUMBER: 5776864 ISSUE DATE: 07/07/1998  
TITLE: LARGE SINGLE DOMAIN 123 MATERIAL PRODUCED BY SEEDING WITH SINGLE CRYSTAL RARE EARTH BARIUM COPPER OXIDE SINGLE CRYSTALS

SERIAL NUMBER: 08617284 FILING DATE: 03/18/1996  
PATENT NUMBER: 5830815 ISSUE DATE: 11/03/1998  
TITLE: METHOD OF WASTE STABILIZATION VIA CHEMICALLY BONDED PHOSPHATE CERAMICS

SERIAL NUMBER: 08868176 FILING DATE: 06/03/1997  
PATENT NUMBER: 5841627 ISSUE DATE: 11/24/1998  
TITLE: PSEUDO-CAPACITOR DEVICE FOR AQUEOUS ELECTROLYTES

SERIAL NUMBER: 08619945 FILING DATE: 03/18/1996  
PATENT NUMBER: 5846894 ISSUE DATE: 12/08/1998  
TITLE: PHOSPHATE BONDED STRUCTURAL PRODUCTS FROM HIGH VOLUME WASTES

SERIAL NUMBER: 08417154 FILING DATE: 04/04/1995  
PATENT NUMBER: 5849079 ISSUE DATE: 12/15/1998  
TITLE: DIAMOND FILM GROWTH ARGON-CARBON PLASMAS

SERIAL NUMBER: 08593345 FILING DATE: 01/29/1996  
PATENT NUMBER: 5851772 ISSUE DATE: 12/22/1998  
TITLE: A MICROCHIP METHOD FOR THE ENRICHMENT OF SPECIFIC DNA SEQUENCES

SERIAL NUMBER: 08592120 FILING DATE: 01/26/1996  
PATENT NUMBER: 5861247 ISSUE DATE: 01/19/1999  
TITLE: RAPID METHOD TO DETECT DUPLEX FORMATION IN SEQUENCING BY HYBRIDIZATION METHODS

SERIAL NUMBER: 08762992 FILING DATE: 12/10/1996  
PATENT NUMBER: 5869841 ISSUE DATE: 02/09/1999  
TITLE: 3-DIMENSIONAL IMAGING SYSTEM USING CRYSTAL DIFFRACTION LENSES

SERIAL NUMBER: 08692801 FILING DATE: 07/30/1996  
PATENT NUMBER: 5882432 ISSUE DATE: 03/16/1999  
TITLE: EFFICIENT CONTINUOUS DRYER FOR FLEXIBLE POLYURETHANE FOAM AND CLEANING APPARATUS

SERIAL NUMBER: 08902115 FILING DATE: 07/29/1997  
PATENT NUMBER: 5896200 ISSUE DATE: 04/20/1999  
TITLE: OPTICAL DESIGN FOR LASER ENCODER RESOLUTION EXTENSION AND ANGULAR MEASUREMENT

SERIAL NUMBER: 08684426 FILING DATE: 07/19/1996  
PATENT NUMBER: 5902640 ISSUE DATE: 05/11/1999  
TITLE: METHOD OF IMPROVING FIELD EMISSION CHARACTERISTICS OF DIAMOND THIN FILMS

SERIAL NUMBER: 08768893 FILING DATE: 12/17/1996  
PATENT NUMBER: 5905024 ISSUE DATE: 05/18/1999  
TITLE: METHOD FOR PERFORMING SITE-SPECIFIC AFFINITY FRACTIONATION FOR USE IN DNA SEQUENCING

SERIAL NUMBER: 08587332 FILING DATE: 01/16/1996  
PATENT NUMBER: 5908745 ISSUE DATE: 06/01/1999  
TITLE: USE OF CONTINUOUS/CONTIGUOUS STACKING HYBRIDIZATION AS A DIAGNOSTIC TOOL

SERIAL NUMBER: 09092190 FILING DATE: 06/05/1998  
PATENT NUMBER: 5929286 ISSUE DATE: 07/27/1999  
TITLE: PARTIAL OXIDATION CATALYST

SERIAL NUMBER: 08518541 FILING DATE: 08/23/1995  
PATENT NUMBER: 5939025 ISSUE DATE: 08/17/1999  
TITLE: METHANOL PARTIAL OXIDATION REFORMER

SERIAL NUMBER: 08909336 FILING DATE: 08/11/1997  
PATENT NUMBER: 5942345 ISSUE DATE: 08/24/1999  
TITLE: HIGH PERFORMANCE ELECTROLYTES FOR MCFC

SERIAL NUMBER: 09110373 FILING DATE: 07/06/1998  
PATENT NUMBER: 5942346 ISSUE DATE: 08/24/1999  
TITLE: METHANOL PARTIAL OXIDATION REFORMER

SERIAL NUMBER: 09061308 FILING DATE: 04/16/1998  
PATENT NUMBER: 5962329 ISSUE DATE: 10/05/1999  
TITLE: METHOD OF DISPENSING MICRODOSES OF AQUEOUS SOLUTIONS OF SUBSTANCES ONTO A CARRIER AND A DEVICE FOR CARRYING OUT SAID METHOD

SERIAL NUMBER: 08926941 FILING DATE: 09/10/1997  
PATENT NUMBER: 5975493 ISSUE DATE: 11/02/1999  
TITLE: PROCESS FOR CONTROLLING FLOW RATE OF VISCOUS MATERIALS INCLUDING USE OF A NOZZLE WITH CHANGEABLE OPENING

SERIAL NUMBER: 08895656 FILING DATE: 07/17/1997  
PATENT NUMBER: 5981734 ISSUE DATE: 11/09/1999  
TITLE: METHODS FOR IMMOBILIZING NUCLEIC ACIDS ON A GEL SUBSTRATE

SERIAL NUMBER: 08620932 FILING DATE: 03/22/1996  
PATENT NUMBER: 5989511 ISSUE DATE: 11/23/1999  
TITLE: NMOOTH DIAMOND FILMS AS LOW FRICTION, LONG WEAR SURFACES

SERIAL NUMBER: 09712819 FILING DATE: 11/13/2000  
PATENT NUMBER: 6878521 ISSUE DATE: 04/12/2005  
TITLE: FIBRIL-BLOCKING PEPTIDE, A METHOD FOR PREVENTING FIBRIL FORMATION

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SERIAL NUMBER: 08438506 FILING DATE: 05/10/1995  
PATENT NUMBER: 6001562 ISSUE DATE: 12/14/1999  
TITLE: DNA SEQUENCE SIMILARITY RECOGNITION BY HYBRIDIZATION TO SHORT OLIGOMERS

SERIAL NUMBER: 08970024 FILING DATE: 11/13/1997  
PATENT NUMBER: 6013172 ISSUE DATE: 01/11/2000  
TITLE: METHODOLOGY FOR EXTRACTING LOCAL CONSTANTS FROM PETROLEUM CRACKING FLOWS

SERIAL NUMBER: 09102232 FILING DATE: 06/22/1998  
PATENT NUMBER: 6055808 ISSUE DATE: 05/02/2000  
TITLE: METHOD AND APPARATUS FOR REDUCING PARTICULATES AND NOX EMISSIONS FROM DIESEL ENGINES UTILIZING OXYGEN ENRICHED COMBUSTION AIR

SERIAL NUMBER: 08593937 FILING DATE: 01/30/1996  
PATENT NUMBER: 6058387 ISSUE DATE: 05/02/2000  
TITLE: DYNAMIC INFORMATION ARCHITECTURE SYSTEM AND METHOD

SERIAL NUMBER: 09129689 FILING DATE: 08/05/1998  
PATENT NUMBER: 6062069 ISSUE DATE: 05/16/2000  
TITLE: HIGH TEMPERATURE FOULING TEST UNIT

SERIAL NUMBER: 09045468 FILING DATE: 03/20/1998  
PATENT NUMBER: 6078600 ISSUE DATE: 06/20/2000  
TITLE: GENERATION AND USE OF HIGH POWER 213 NM AND 266 NM LASER RADIATION AND TUNABLE 210-400 NM LASER RADIATION WITH BBO CRYSTAL MATRIX ARRAY

SERIAL NUMBER: 09129960 FILING DATE: 08/06/1998  
PATENT NUMBER: 6083362 ISSUE DATE: 07/04/2000  
TITLE: DIMENSIONALLY STABLE ANODE FOR ELECTROLYSIS, METHOD FOR MAINTAINING DIMENSIONS OF ANODE DURING ELECTROLYSIS

SERIAL NUMBER: 08855372 FILING DATE: 05/13/1997  
PATENT NUMBER: 6090549 ISSUE DATE: 07/18/2000  
TITLE: USE OF CONTINUOUS/CONTIGUOUS STACKING HYBRIDIZATION AS A DIAGNOSTIC TOOL

SERIAL NUMBER: 09183141 FILING DATE: 10/30/1998  
PATENT NUMBER: 6097118 ISSUE DATE: 08/01/2000  
TITLE: RELUCTANCE APPARATUS FOR FLYWHEEL ENERGY STORAGE

SERIAL NUMBER: 09198356 FILING DATE: 11/24/1998  
PATENT NUMBER: 6110621 ISSUE DATE: 08/29/2000  
TITLE: CARBONS FOR LITHIUM BATTERIES PREPARED USING SEPIOLITE AS AN INORGANIC TEMPLATE

SERIAL NUMBER: 08867556 FILING DATE: 06/02/1997  
PATENT NUMBER: 6110861 ISSUE DATE: 08/29/2000  
TITLE: PARTIAL OXIDATION CATALYST

SERIAL NUMBER: 09010424 FILING DATE: 01/21/1998  
PATENT NUMBER: 6117808 ISSUE DATE: 09/12/2000  
TITLE: IMPROVED DENSE CERAMIC MEMBRANE MATERIAL FOR CONVERSION OF METHANE TO SYNGAS

SERIAL NUMBER: 09099959 FILING DATE: 06/19/1998  
PATENT NUMBER: 6143499 ISSUE DATE: 11/07/2000  
TITLE: MINIATURIZED REACTION VESSEL SYSTEM METHOD PERFORMING SITE-SPECIFIC BIOCHEMICAL REACTIONS AND AFFINITY FRACTIONATION FOR USE IN DNA SEQUENCING

SERIAL NUMBER: 08997758 FILING DATE: 12/24/1997  
PATENT NUMBER: 6153398 ISSUE DATE: 11/28/2000  
TITLE: METHOD TO IDENTIFY SPECIFIC INHIBITORS OF IMP DEHYDROGENASE

SERIAL NUMBER: 08247566 FILING DATE: 05/23/1994  
PATENT NUMBER: 6153958 ISSUE DATE: 11/28/2000  
TITLE: BEARING DESIGN FOR FLYWHEEL ENERGY STORAGE USING HIGH-TC SUPERCONDUCTORS

SERIAL NUMBER: 09067931 FILING DATE: 04/28/1998  
PATENT NUMBER: 6159738 ISSUE DATE: 12/12/2000  
TITLE: METHOD FOR CONSTRUCTION OF BACTERIAL STRAINS WITH INCREASED SUCCINIC ACID PRODUCTION

SERIAL NUMBER: 08898478 FILING DATE: 07/21/1997  
PATENT NUMBER: 6169352 ISSUE DATE: 01/02/2001  
TITLE: TRAPPED FIELD INTERNAL DIPOLE SUPERCONDUCTING MOTOR GENERATOR

SERIAL NUMBER: 09316449 FILING DATE: 05/21/1999  
PATENT NUMBER: 6172121 ISSUE DATE: 01/09/2001  
TITLE: PROCESS FOR PREPARING ORGANOCOLAYS FOR AQUEOUS AND POLAR-ORGANIC SYSTEMS

SERIAL NUMBER: 09152578 FILING DATE: 09/14/1998  
PATENT NUMBER: 6173567 ISSUE DATE: 01/16/2001  
TITLE: METHOD TO REDUCE DIESEL ENGINE EXHAUST EMISSIONS

SERIAL NUMBER: 09336791 FILING DATE: 06/21/1999  
PATENT NUMBER: 6173663 ISSUE DATE: 01/16/2001  
TITLE: CARBON DIOXIDE REMEDIATION VIA OXYGEN-ENRICHED COMBUSTION USING DENSE CERAMIC MEMBRANES

SERIAL NUMBER: 09360553 FILING DATE: 07/26/1999  
PATENT NUMBER: 6191583 ISSUE DATE: 02/20/2001  
TITLE: NUCLEAR MAGNETIC RESONANCE DETECTOR USED FOR REDUCING PROBE RINGING

SERIAL NUMBER: 08852001 FILING DATE: 05/06/1997  
PATENT NUMBER: 6197556 ISSUE DATE: 03/06/2001  
TITLE: NUCLEIC ACID AMPLIFICATION USING MODULAR BRANCHED PRIMERS

SERIAL NUMBER: 09124822 FILING DATE: 07/29/1998  
PATENT NUMBER: 6204214 ISSUE DATE: 03/20/2001  
TITLE: PUMPABLE/INJECTABLE PHOSPHATE-BONDED CERAMICS

SERIAL NUMBER: 09199002 FILING DATE: 11/24/1998  
PATENT NUMBER: 6221275 ISSUE DATE: 04/24/2001  
TITLE: ENHANCED HEAT TRANSFER USING NANOFLUIDS

SERIAL NUMBER: 09349819 FILING DATE: 07/08/1999  
PATENT NUMBER: 6221531 ISSUE DATE: 04/24/2001  
TITLE: LITHIUM-TITANIUM-OXIDE ANODES FOR LITHIUM BATTERIES

SERIAL NUMBER: 09130510 FILING DATE: 08/06/1998  
PATENT NUMBER: 6234115 ISSUE DATE: 05/22/2001  
TITLE: NESTING BOX FOR EXCRETA COLLECTION FROM NESTING DAMS THROUGH PARTURITION AND LACTATION

SERIAL NUMBER: 09264466 FILING DATE: 03/08/1999  
PATENT NUMBER: 6235889 ISSUE DATE: 05/22/2001  
TITLE: NUCLEIC ACID AMPLIFICATION USING MODULAR BRANCHED PRIMERS

SERIAL NUMBER: 08662515 FILING DATE: 06/13/1996  
PATENT NUMBER: 6240619 ISSUE DATE: 06/05/2001  
TITLE: THERMOMECHANICAL MEANS TO IMPROVE THE CRITICAL CURRENT DENSITY OF BSCCO TAPES

SERIAL NUMBER: 09585770 FILING DATE: 06/02/2000  
PATENT NUMBER: 6244052 ISSUE DATE: 06/12/2001  
TITLE: METHOD AND APPARATUS FOR PRODUCING PHASE CHANGE ICE PARTICULATE PERFLUOROCARBON SLURRIES

SERIAL NUMBER: 09110425 FILING DATE: 07/06/1998  
PATENT NUMBER: 6244367 ISSUE DATE: 06/12/2001  
TITLE: MMETHANOL PARTIAL OXIDATION REFORMER

SERIAL NUMBER: 09550835 FILING DATE: 04/18/2000  
PATENT NUMBER: 6249453 ISSUE DATE: 06/19/2001  
TITLE: VOLTAGE CONTROLLED SPINTRONIC DEVICES FOR LOGIC APPLICATIONS

SERIAL NUMBER: 09349322 FILING DATE: 07/08/1999  
PATENT NUMBER: 6253096 ISSUE DATE: 06/26/2001  
TITLE: SHIELDED HIGH-TC BSCCO TAPES OR WIRES FOR HIGH FIELD APPLICATIONS

SERIAL NUMBER: 09200159 FILING DATE: 11/25/1998  
PATENT NUMBER: 6271130 ISSUE DATE: 08/07/2001  
TITLE: SEMICONDUCTOR ASSISTED METAL DEPOSITION FOR NANOLITHOGRAPHY APPLICATION

SERIAL NUMBER: 09467808 FILING DATE: 12/20/1999  
PATENT NUMBER: 6272036 ISSUE DATE: 08/07/2001  
TITLE: CONTROL OF MAGNETIC DIRECTION IN MULTI-LAYER FERROMAGNETIC DEVICES BY BIAS VOLTAGE

SERIAL NUMBER: 09428505 FILING DATE: 10/27/1999  
PATENT NUMBER: 6279378 ISSUE DATE: 08/28/2001  
TITLE: ULTRASONIC GAS ANALYZER AND METHOD TO ANALYZE TRACE GASES

SERIAL NUMBER: 09330727 FILING DATE: 06/11/1999  
PATENT NUMBER: 6285449 ISSUE DATE: 09/04/2001  
TITLE: OPTICAL METHOD AND APPARATUS FOR DETECTION OF DEFECTS AND MICROSTRUCTURAL CHANGES IN CERAMICS AND CERAMIC COATINGS

SERIAL NUMBER: 09573575 FILING DATE: 05/18/2000  
PATENT NUMBER: 6294074 ISSUE DATE: 09/25/2001  
TITLE: ELECTRODE DESIGN FOR CORROSION MONITORING USING ELECTROCHEMICAL NOISE MEASUREMENTS

SERIAL NUMBER: 09382737 FILING DATE: 08/24/1999  
PATENT NUMBER: 6303098 ISSUE DATE: 10/16/2001  
TITLE: STEAM REFORMING CATALYST

SERIAL NUMBER: 07972426 FILING DATE: 11/05/1992  
PATENT NUMBER: 6329436 ISSUE DATE: 12/11/2001  
TITLE: PROCESS TO RECYCLE SHREDDER RESIDUE

SERIAL NUMBER: 09182927 FILING DATE: 10/30/1998  
PATENT NUMBER: 6329635 ISSUE DATE: 12/11/2001  
TITLE: METHODS FOR WELD MONITORING AND LASER HEAT TREATMENT MONITORING

SERIAL NUMBER: 09515814 FILING DATE: 02/29/2000  
PATENT NUMBER: 6329661 ISSUE DATE: 12/11/2001  
TITLE: BIOCHIP SCANNER DEVICE

SERIAL NUMBER: 09621272 FILING DATE: 07/20/2000  
PATENT NUMBER: 6361598 ISSUE DATE: 03/26/2002  
TITLE: METHOD FOR PREPARING HIGH TEMPERATURE SUPERCONDUCTOR

SERIAL NUMBER: 09616419 FILING DATE: 07/14/2000  
PATENT NUMBER: 6364923 ISSUE DATE: 04/02/2002  
TITLE: METHOD AND APPARATUS FOR THE CLEAN REPLACEMENT OF CONTAMINATED HEPA FILTERS

SERIAL NUMBER: 09569538 FILING DATE: 05/12/2000  
PATENT NUMBER: 6375813 ISSUE DATE: 04/23/2002  
TITLE: A DIMENSIONALLY STABLE ANODE FOR ELECTROLYSIS, METHOD FOR MAINTAINING DIMENSIONS OF ANODE DURING ELECTROLYSIS

SERIAL NUMBER: 09532728 FILING DATE: 03/22/2000  
PATENT NUMBER: 6383282 ISSUE DATE: 05/07/2002  
TITLE: PSEUDOPHASIC EXTRACTION METHOD FOR THE SEPARATION OF ULTRA-FINE MINERALS

SERIAL NUMBER: 09648693 FILING DATE: 08/25/2000  
PATENT NUMBER: 6397489 ISSUE DATE: 06/04/2002  
TITLE: MULTIPORT CYLINDER DRYER WITH LOW THERMAL RESISTANCE AND HIGH HEAT TRANSFER

SERIAL NUMBER: 09489983 FILING DATE: 01/21/2000  
PATENT NUMBER: 6403018 ISSUE DATE: 06/11/2002  
TITLE: METHOD FOR FABRICATING CERAMIC COMPOSITES

|                                                                                                                                      |                         |
|--------------------------------------------------------------------------------------------------------------------------------------|-------------------------|
| SERIAL NUMBER: 09515290                                                                                                              | FILING DATE: 02/29/2000 |
| PATENT NUMBER: 6407395                                                                                                               | ISSUE DATE: 06/18/2002  |
| TITLE: PORTABLE BIOCHIP SCANNER DEVICE                                                                                               |                         |
| SERIAL NUMBER: 09619934                                                                                                              | FILING DATE: 07/20/2000 |
| PATENT NUMBER: 6410487                                                                                                               | ISSUE DATE: 06/25/2002  |
| TITLE: LARGE AREA BULK SUPERCONDUCTORS                                                                                               |                         |
| SERIAL NUMBER: 09858791                                                                                                              | FILING DATE: 05/16/2001 |
| PATENT NUMBER: 6410935                                                                                                               | ISSUE DATE: 06/25/2002  |
| TITLE: SEMICONDUCTOR ASSISTED METAL DEPOSITION FOR NANOLITHOGRAPHY APPLICATIONS                                                      |                         |
| SERIAL NUMBER: 09586576                                                                                                              | FILING DATE: 06/02/2000 |
| PATENT NUMBER: 6413444                                                                                                               | ISSUE DATE: 07/02/2002  |
| TITLE: METHODS AND APPARATUS FOR PRODUCING PHASE CHANGE ICE PARTICULATE SALINE SLURRIES                                              |                         |
| SERIAL NUMBER: 09543992                                                                                                              | FILING DATE: 04/06/2000 |
| PATENT NUMBER: 6422077                                                                                                               | ISSUE DATE: 07/23/2002  |
| TITLE: ULTRANANOCRYSTALLINE DIAMOND CANTILEVER WIDE DYNAMIC RANGE ACCELERATION/VIBRATION/PRESSURE SENSOR                             |                         |
| SERIAL NUMBER: 09498851                                                                                                              | FILING DATE: 02/07/2000 |
| PATENT NUMBER: 6440671                                                                                                               | ISSUE DATE: 08/27/2002  |
| TITLE: USE OF CONTINUOUS/CONTIGUOUS STACKING HYBRIDIZATION AS A DIAGNOSTIC TOOL                                                      |                         |
| SERIAL NUMBER: 09352063                                                                                                              | FILING DATE: 07/14/1999 |
| PATENT NUMBER: 6447851                                                                                                               | ISSUE DATE: 09/10/2002  |
| TITLE: FIELD EMISSION FROM BIAS-GROWN DIAMOND THIN FILMS IN A MICROWAVE PLASMA                                                       |                         |
| SERIAL NUMBER: 09568890                                                                                                              | FILING DATE: 05/11/2000 |
| PATENT NUMBER: 6455166                                                                                                               | ISSUE DATE: 09/24/2002  |
| TITLE: METALLIC SUBSTRATES FOR HIGH TEMPERATURE SUPERCONDUCTORS                                                                      |                         |
| SERIAL NUMBER: 09653672                                                                                                              | FILING DATE: 09/01/2000 |
| PATENT NUMBER: 6455352                                                                                                               | ISSUE DATE: 09/24/2002  |
| TITLE: PIN ARRAY ASSEMBLY AND METHOD OF MANUFACTURE                                                                                  |                         |
| SERIAL NUMBER: 09261115                                                                                                              | FILING DATE: 03/03/1999 |
| PATENT NUMBER: 6458584                                                                                                               | ISSUE DATE: 10/01/2002  |
| TITLE: CUSTOMIZED OLIGONUCLEOTIDE MICROCHIPS THAT CONVERT MULTIPLE GENETIC INFORMATION TO SIMPLE PATTERNS, ARE PORTABLE AND REUSABLE |                         |
| SERIAL NUMBER: 09667904                                                                                                              | FILING DATE: 09/22/2000 |
| PATENT NUMBER: 6459771                                                                                                               | ISSUE DATE: 10/01/2002  |
| TITLE: METHOD FOR FABRICATING PRECISION FOCUSING X-RAY COLLIMATORS                                                                   |                         |
| SERIAL NUMBER: 09589329                                                                                                              | FILING DATE: 06/07/2000 |
| PATENT NUMBER: 6461491                                                                                                               | ISSUE DATE: 10/08/2002  |
| TITLE: METHOD AND APPARATUS FOR ELECTRODIALYSIS PROCESSING                                                                           |                         |

SERIAL NUMBER: 09664838 FILING DATE: 09/19/2000  
PATENT NUMBER: 6464880 ISSUE DATE: 10/15/2002  
TITLE: MICROPOROUS IONOMIC MATERIALS AND METHODS OF PREPARATION

SERIAL NUMBER: 09127313 FILING DATE: 07/31/1998  
PATENT NUMBER: 6465174 ISSUE DATE: 10/15/2002  
TITLE: RAPID METHOD TO DETECT DUPLEX FORMATION IN SEQUENCING BY HYBRIDIZATION METHODS, A METHOD FOR CONSTRUCTING CONTAINMENT STRUCTURES FOR REAGENT INTERACTION

SERIAL NUMBER: 09775345 FILING DATE: 02/01/2001  
PATENT NUMBER: 6465216 ISSUE DATE: 10/15/2002  
TITLE: METHODS AND CONSTRUCTS FOR EXPRESSION OF FOREIGN PROTEINS IN PHOTOSYNTHETIC ORGANISMS

SERIAL NUMBER: 09842502 FILING DATE: 04/26/2001  
PATENT NUMBER: 6466805 ISSUE DATE: 10/15/2002  
TITLE: SHIELDED HIGH-TC BSCCO TAPES OR WIRES FOR HIGH FIELD APPLICATIONS

SERIAL NUMBER: 09590460 FILING DATE: 06/09/2000  
PATENT NUMBER: 6468499 ISSUE DATE: 10/22/2002  
TITLE: METHOD OF GENERATING HYDROGEN BY CATALYTIC DECOMPOSITION OF WATER

SERIAL NUMBER: 09631156 FILING DATE: 08/03/2000  
PATENT NUMBER: 6469507 ISSUE DATE: 10/22/2002  
TITLE: FLAT METAL CONDUCTOR PRINCIPAL DETECTOR ELEMENT FOR NMR ANALYSIS OF A SAMPLE

SERIAL NUMBER: 09539961 FILING DATE: 03/31/2000  
PATENT NUMBER: 6484133 ISSUE DATE: 11/19/2002  
TITLE: SENSOR RESPONSE RATE ACCELERATOR

SERIAL NUMBER: 09632873 FILING DATE: 08/04/2000  
PATENT NUMBER: 6485541 ISSUE DATE: 11/26/2002  
TITLE: METHOD TO DECREASE LOSS OF ALUMINUM AND MAGNESIUM MELTS

SERIAL NUMBER: 09274163 FILING DATE: 03/22/1999  
PATENT NUMBER: 6485943 ISSUE DATE: 11/26/2002  
TITLE: A METHOD FOR ALTERING ANTIBODY LIGHT CHAIN INTERACTIONS

SERIAL NUMBER: 09806683 FILING DATE: 07/12/2001  
PATENT NUMBER: 6495014 ISSUE DATE: 12/17/2002  
TITLE: ELECTRODEIONIZATION SUBSTRATE, AND DEVICE FOR ELECTRODEIONIZATION TREATMENT

SERIAL NUMBER: 09751655 FILING DATE: 12/29/2000  
PATENT NUMBER: 6498119 ISSUE DATE: 12/24/2002  
TITLE: CHEMICALLY BONDED PHOSPHATE CERAMICS OF TRIVALENT OXIDES OF IRON AND MANGANESE

SERIAL NUMBER: 09685495 FILING DATE: 10/10/2000  
PATENT NUMBER: 6504077 ISSUE DATE: 01/07/2003  
TITLE: METHOD FOR THE DECONTAMINATION OF METALLIC SURFACES

SERIAL NUMBER: 09379401 FILING DATE: 08/24/1999  
PATENT NUMBER: 6507774 ISSUE DATE: 01/14/2003  
TITLE: INTELLIGENT EMISSIONS CONTROLLER FOR SUBSTANCE INJECTION IN THE POST-PRIMARY COMBUSTION ZONE OF FOSSIL-FIRED BOILERS

SERIAL NUMBER: 09784597 FILING DATE: 02/15/2001  
PATENT NUMBER: 6517236 ISSUE DATE: 02/11/2003  
TITLE: METHOD AND APPARATUS FOR AUTOMATED THERMAL IMAGING OF COMBUSTOR LINERS AND OTHER PRODUCTS

SERIAL NUMBER: 09664490 FILING DATE: 09/18/2000  
PATENT NUMBER: 6518212 ISSUE DATE: 02/11/2003  
TITLE: CHEMICALLY BONDED PHOSPHO-SILICATE CERAMICS

SERIAL NUMBER: 09587008 FILING DATE: 06/05/2000  
PATENT NUMBER: 6519535 ISSUE DATE: 02/11/2003  
TITLE: EDDY CURRENT TECHNIQUE FOR PREDICTING BURST PRESSURE

SERIAL NUMBER: 09344859 FILING DATE: 06/28/1999  
PATENT NUMBER: 6521202 ISSUE DATE: 02/18/2003  
TITLE: OXYGEN ION CONDUCTING MATERIALS

SERIAL NUMBER: 09717590 FILING DATE: 11/21/2000  
PATENT NUMBER: 6521678 ISSUE DATE: 02/18/2003  
TITLE: PROCESS FOR THE PREPARATION OF ORGANOCLAYS FROM CLAYS

SERIAL NUMBER: 09622617 FILING DATE: 10/26/2000  
PATENT NUMBER: 6528208 ISSUE DATE: 03/04/2003  
TITLE: NOVEL ANODES FOR RECHARGEABLE LITHIUM BATTERIES

SERIAL NUMBER: 09627808 FILING DATE: 07/28/2000  
PATENT NUMBER: 6537575 ISSUE DATE: 03/25/2003  
TITLE: SYNTHETIC BIOLOGICAL MEMBRANE WITH SELF ORGANIZING PROPERTIES

SERIAL NUMBER: 10156174 FILING DATE: 05/28/2002  
PATENT NUMBER: 6538444 ISSUE DATE: 03/25/2003  
TITLE: TWO DIMENSIONAL B1-GRADIENT NMR IMAGER

SERIAL NUMBER: 09766214 FILING DATE: 01/19/2001  
PATENT NUMBER: 6542849 ISSUE DATE: 04/01/2003  
TITLE: METHOD FOR DETERMINING DEFECT DEPTH USING THERMAL IMAGING

SERIAL NUMBER: 09808632 FILING DATE: 03/14/2001  
PATENT NUMBER: 6548173 ISSUE DATE: 04/15/2003  
TITLE: METHOD TO PRODUCE ULTRA-LOW FRICTION CARBON FILMS

SERIAL NUMBER: 09920492 FILING DATE: 08/01/2001  
PATENT NUMBER: 6548810 ISSUE DATE: 04/15/2003  
TITLE: SCANNING CONFOCAL ELECTRON MICROSCOPE

SERIAL NUMBER: 09905509 FILING DATE: 07/13/2001  
PATENT NUMBER: 6579360 ISSUE DATE: 06/17/2003  
TITLE: FABRICATION OF HIGH TEMPERATURE SUPERCONDUCTORS

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|------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------|
| SERIAL NUMBER: 09255919                                                                                                                              | FILING DATE: 02/23/1999 |
| PATENT NUMBER: 6592839                                                                                                                               | ISSUE DATE: 07/15/2003  |
| TITLE: TAILORING NANOCRYSTALLINE DIAMOND FILM PROPERTIES                                                                                             |                         |
| SERIAL NUMBER: 09665958                                                                                                                              | FILING DATE: 09/21/2000 |
| PATENT NUMBER: 6596994                                                                                                                               | ISSUE DATE: 07/22/2003  |
| TITLE: BEAM POSITION MONITOR                                                                                                                         |                         |
| SERIAL NUMBER: 09690904                                                                                                                              | FILING DATE: 10/18/2000 |
| PATENT NUMBER: 6559950                                                                                                                               | ISSUE DATE: 05/06/2003  |
| TITLE: OPTICAL METHOD FOR CHARACTERIZING A COLLOIDAL SUSPENSION                                                                                      |                         |
| SERIAL NUMBER: 09930699                                                                                                                              | FILING DATE: 08/15/2001 |
| PATENT NUMBER: 6607840                                                                                                                               | ISSUE DATE: 08/19/2003  |
| TITLE: REDUNDANTLY CONSTRAINED LAMINAR STRUCTURE AS WEAK-LINK MECHANISMS                                                                             |                         |
| SERIAL NUMBER: 10142814                                                                                                                              | FILING DATE: 05/09/2002 |
| PATENT NUMBER: 6613601                                                                                                                               | ISSUE DATE: 09/02/2003  |
| TITLE: ULTRANANOCRYSTALLINE DIAMOND CANTILEVER WIDE DYNAMIC RANGE ACCELERATION/VIBRATION/PRESSURE SENSOR                                             |                         |
| SERIAL NUMBER: 10139842                                                                                                                              | FILING DATE: 05/06/2002 |
| PATENT NUMBER: 6620623                                                                                                                               | ISSUE DATE: 09/16/2003  |
| TITLE: BIOCHIP READER WITH ENHANCED ILLUMINATION AND BIOARRAY POSITIONING APPARATUS                                                                  |                         |
| SERIAL NUMBER: 09790961                                                                                                                              | FILING DATE: 02/22/2001 |
| PATENT NUMBER: 6630819                                                                                                                               | ISSUE DATE: 10/07/2003  |
| TITLE: MAGNETO-OPTIC CURRENT SENSOR                                                                                                                  |                         |
| SERIAL NUMBER: 09696050                                                                                                                              | FILING DATE: 10/25/2000 |
| PATENT NUMBER: 6638895                                                                                                                               | ISSUE DATE: 10/28/2003  |
| TITLE: METHOD FOR FABRICATING HIGH ASPECT RATIO STRUCTURES IN PEROVSKITE MATERIAL                                                                    |                         |
| SERIAL NUMBER: 09559306                                                                                                                              | FILING DATE: 04/25/2000 |
| PATENT NUMBER: 6642000                                                                                                                               | ISSUE DATE: 11/04/2003  |
| TITLE: PCR AMPLIFICATION ON MICROARRAYS OF GEL IMMOBILIZED OLIGONUCLEOTIDES                                                                          |                         |
| SERIAL NUMBER: 09930865                                                                                                                              | FILING DATE: 08/15/2001 |
| PATENT NUMBER: 6656725                                                                                                                               | ISSUE DATE: 12/02/2003  |
| TITLE: METHOD OF FABRICATION OF MICROARRAY OF GEL-IMMOBILIZED COMPOUNDS ON A CHIP BY COPOLYMERIZATION                                                |                         |
| SERIAL NUMBER: 10095597                                                                                                                              | FILING DATE: 03/11/2002 |
| PATENT NUMBER: 6668763                                                                                                                               | ISSUE DATE: 12/30/2003  |
| TITLE: PROCESS FOR IN-SITU PRODUCTION OF HYDROGEN (H <sub>2</sub> ) BY ALCOHOL DECOMPOSITION FOR EMISSION REDUCTION FROM INTERNAL COMBUSTION ENGINES |                         |
| SERIAL NUMBER: 09851843                                                                                                                              | FILING DATE: 05/09/2001 |
| PATENT NUMBER: 6670305                                                                                                                               | ISSUE DATE: 12/30/2003  |
| TITLE: FREE-STANDING MONOLITHIC CATALYST WITH MICRO-SCALE CHANNEL DIMENSIONS                                                                         |                         |

SERIAL NUMBER: 10247869 FILING DATE: 09/20/2002  
PATENT NUMBER: 6674283 ISSUE DATE: 01/06/2004  
TITLE: NUCLEAR MAGNETIC RESONANCE IMAGING APPARATUS

SERIAL NUMBER: 09887842 FILING DATE: 06/21/2001  
PATENT NUMBER: 6677082 ISSUE DATE: 01/13/2004  
TITLE: LITHIUM METAL OXIDE ELECTRODES FOR LITHIUM CELLS AND BATTERIES

SERIAL NUMBER: 09606429 FILING DATE: 06/28/2000  
PATENT NUMBER: 6677606 ISSUE DATE: 01/13/2004  
TITLE: DOPA AND DOPAMINE MODIFICATION OF METAL OXIDE SEMICONDUCTORS,  
METHOD FOR ATTACHING BIOLOGICAL MOLECULES TO SEMICONDUCTORS

SERIAL NUMBER: 09989844 FILING DATE: 11/21/2001  
PATENT NUMBER: 6680143 ISSUE DATE: 01/20/2004  
TITLE: LITHIUM METAL OXIDE ELECTRODES FOR LITHIUM CELLS AND BATTERIES

SERIAL NUMBER: 09833168 FILING DATE: 04/11/2001  
PATENT NUMBER: 6691554 ISSUE DATE: 02/17/2004  
TITLE: NANOCRYSTALLINE FILMS FOR GAS-REACTIVE APPLICATIONS

SERIAL NUMBER: 09645246 FILING DATE: 08/24/2000  
PATENT NUMBER: 6692972 ISSUE DATE: 02/17/2004  
TITLE: DEVICE FOR PRODUCING MICROSCOPIC ARRAYS OF MOLECULES, A METHOD FOR  
PRODUCING MICROSCOPIC ARRAYS OF MOLECULES

SERIAL NUMBER: 09767104 FILING DATE: 01/22/2001  
PATENT NUMBER: 6700662 ISSUE DATE: 03/02/2004  
TITLE: PORTABLE LII BASED INSTRUMENT AND METHOD FOR PARTICULATE  
CHARACTERIZATION IN COMBUSTION EXHAUST

SERIAL NUMBER: 09816676 FILING DATE: 03/23/2001  
PATENT NUMBER: 6713040 ISSUE DATE: 03/30/2004  
TITLE: METHOD FOR GENERATING HYDROGEN FOR FUEL CELLS

SERIAL NUMBER: 10243559 FILING DATE: 09/13/2002  
PATENT NUMBER: 6718009 ISSUE DATE: 04/06/2004  
TITLE: METHOD OF MAKING OF COMPOUND X-RAY LENSES AND VARIABLE FOCUS X-RAY  
LENS ASSEMBLY

SERIAL NUMBER: 10177189 FILING DATE: 06/21/2002  
PATENT NUMBER: 6720769 ISSUE DATE: 04/13/2004  
TITLE: ROTATIONAL EXCHANGE GRADIENT IMAGER FOR IN SITU MAGNETIC RESONANCE  
ANALYSES IN ULTRACENTRIFUGE SEDIMENTATION OF BIOLOGICAL MATERIALS  
AND RHEOLOGY INVESTIGATIONS

SERIAL NUMBER: 10245039 FILING DATE: 09/17/2002  
PATENT NUMBER: 6726893 ISSUE DATE: 04/27/2004  
TITLE: HYDROGEN PRODUCTION BY HIGH-TEMPERATURE WATER SPLITTING USING  
ELECTRON-CONDUCTING MEMBRANES

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SERIAL NUMBER: 09885539 FILING DATE: 06/21/2001  
PATENT NUMBER: 6729801 ISSUE DATE: 05/04/2004  
TITLE: SYSTEM AND METHOD FOR DETECTING CONTAMINATION USING VEGETATION SAMPLING

SERIAL NUMBER: 10008885 FILING DATE: 11/08/2001  
PATENT NUMBER: 6730429 ISSUE DATE: 05/04/2004  
TITLE: INTERMETALLIC NEGATIVE ELECTRODES FOR NON-AQUEOUS LITHIUM CELLS AND BATTERIES

SERIAL NUMBER: 10232176 FILING DATE: 08/30/2002  
PATENT NUMBER: 6730912 ISSUE DATE: 05/04/2004  
TITLE: METHOD AND APPARATUS FOR DETECTING NORMAL CRACKS USING INFRARED THERMAL IMAGING

SERIAL NUMBER: 09823949 FILING DATE: 03/30/2001  
PATENT NUMBER: 6743610 ISSUE DATE: 06/01/2004  
TITLE: METHOD TO PRODUCE SUCCINIC ACID FROM RAW HYDROLYSATES

SERIAL NUMBER: 10015373 FILING DATE: 12/12/2001  
PATENT NUMBER: 6751075 ISSUE DATE: 06/15/2004  
TITLE: SUPERCONDUCTING FAULT CURRENT CONTROLLER/CURRENT CONTROLLER

SERIAL NUMBER: 09973302 FILING DATE: 10/09/2001  
PATENT NUMBER: 6762233 ISSUE DATE: 07/13/2004  
TITLE: LIQUID CRYSTALLINE COMPOSITES CONTAINING PHYLLOSILICATES

SERIAL NUMBER: 10235556 FILING DATE: 09/06/2002  
PATENT NUMBER: 6763901 ISSUE DATE: 07/20/2004  
TITLE: AIR DELIVERY SYSTEM FOR A DIRECT PUSH DRILLING SWIVEL

SERIAL NUMBER: 10012839 FILING DATE: 11/30/2001  
PATENT NUMBER: 6776837 ISSUE DATE: 08/17/2004  
TITLE: FORMATION OF CHEMICALLY BONDED CERAMICS WITH MAGNESIUM DIHYDROGEN PHOSPHATE BINDER

SERIAL NUMBER: 10226202 FILING DATE: 08/23/2002  
PATENT NUMBER: 6782321 ISSUE DATE: 08/24/2004  
TITLE: METHOD FOR PERFORMING ENVIRONMENTAL SITE CHARACTERIZATION

SERIAL NUMBER: 10027241 FILING DATE: 12/20/2001  
PATENT NUMBER: 6783561 ISSUE DATE: 08/31/2004  
TITLE: METHOD TO IMPROVE LUBRICITY OF LOW-SULFUR DIESEL AND GASOLINE FUELS

SERIAL NUMBER: 10386847 FILING DATE: 03/12/2003  
PATENT NUMBER: 6788064 ISSUE DATE: 09/07/2004  
TITLE: PASSIVELY SHIMMED PRINCIPAL DETECTOR ELEMENTS FOR TOROID CAVITY DETECTOR NMR PROBES

SERIAL NUMBER: 10100381 FILING DATE: 03/18/2002  
PATENT NUMBER: 6790896 ISSUE DATE: 09/14/2004  
TITLE: COMPOSITE MATERIALS WITH IMPROVED PHYLLOSILICATE DISPERSION

|                                                                                                                  |                         |
|------------------------------------------------------------------------------------------------------------------|-------------------------|
| SERIAL NUMBER: 10313291                                                                                          | FILING DATE: 12/06/2002 |
| PATENT NUMBER: 6791326                                                                                           | ISSUE DATE: 09/14/2004  |
| TITLE: NMR DETECTOR FOR SUPPORTED MONOLAYER AND MULTILAYER FILMS                                                 |                         |
| SERIAL NUMBER: 10398427                                                                                          | FILING DATE: 12/12/2003 |
| PATENT NUMBER: 6793849                                                                                           | ISSUE DATE: 09/21/2004  |
| TITLE: N-TYPE DOPING OF NANOCRYSTALLINE DIAMOND FILMS WITH NITROGEN AND ELECTRODES MADE THEREFROM                |                         |
| SERIAL NUMBER: 10213721                                                                                          | FILING DATE: 08/06/2002 |
| PATENT NUMBER: 6797140                                                                                           | ISSUE DATE: 09/28/2004  |
| TITLE: ELECTRODIONIZATION METHOD                                                                                 |                         |
| SERIAL NUMBER: 10169879                                                                                          | FILING DATE: 11/08/2002 |
| PATENT NUMBER: 6811612                                                                                           | ISSUE DATE: 11/02/2004  |
| TITLE: PATTERNING OF NANOCRYSTALLINE DIAMOND FILMS FOR DIAMOND MICROSTRUCTURES USEFUL IN MEMS AND OTHER DEVICES  |                         |
| SERIAL NUMBER: 10235532                                                                                          | FILING DATE: 09/06/2002 |
| PATENT NUMBER: 6814166                                                                                           | ISSUE DATE: 11/09/2004  |
| TITLE: DIRECT PUSH DRILLING SWIVEL AND METHOD FOR ITS USE                                                        |                         |
| SERIAL NUMBER: 09751654                                                                                          | FILING DATE: 12/29/2000 |
| PATENT NUMBER: 6818398                                                                                           | ISSUE DATE: 11/16/2004  |
| TITLE: COLUMN DEVICE FOR ISOLATION AND LABELING OF NUCLEIC ACIDS                                                 |                         |
| SERIAL NUMBER: 10327502                                                                                          | FILING DATE: 12/20/2002 |
| PATENT NUMBER: 6821498                                                                                           | ISSUE DATE: 11/23/2004  |
| TITLE: OXYGEN ION CONDUCTING MATERIALS                                                                           |                         |
| SERIAL NUMBER: 10078992                                                                                          | FILING DATE: 02/20/2002 |
| PATENT NUMBER: 6822035                                                                                           | ISSUE DATE: 11/23/2004  |
| TITLE: PROCESS FOR THE PREPARATION OF ORGANOCLAYS                                                                |                         |
| SERIAL NUMBER: 10610192                                                                                          | FILING DATE: 06/30/2003 |
| PATENT NUMBER: 6822733                                                                                           | ISSUE DATE: 11/23/2004  |
| TITLE: OPTICAL DESIGN FOR LASER ENCODER RESOLUTION EXTENSION WITH THREE-DIMENSIONAL MOTION DECOUPLING            |                         |
| SERIAL NUMBER: 09533466                                                                                          | FILING DATE: 03/23/2000 |
| PATENT NUMBER: 6826488                                                                                           | ISSUE DATE: 11/30/2004  |
| TITLE: CRYSTALS, MOLECULAR COMPLEXES, AND METHODS OF DEVELOPING LEAD COMPOUNDS FOR INHIBITION OF BACTERIAL IMPDH |                         |
| SERIAL NUMBER: 09916458                                                                                          | FILING DATE: 07/27/2001 |
| PATENT NUMBER: 6831933                                                                                           | ISSUE DATE: 12/14/2004  |
| TITLE: MODULAR APPROACH TO THE NEXT GENERATION, SHORT WAVELENGTH, LASER-LIKE LIGHT SOURCES                       |                         |
| SERIAL NUMBER: 09865953                                                                                          | FILING DATE: 05/25/2001 |
| PATENT NUMBER: 6839655                                                                                           | ISSUE DATE: 01/04/2005  |
| TITLE: SYSTEM FOR MONITORING NON-COINCIDENT, NONSTATIONARY PROCESS SIGNALS                                       |                         |

SERIAL NUMBER: 10167832 FILING DATE: 06/12/2002  
PATENT NUMBER: 6843960 ISSUE DATE: 01/18/2005  
TITLE: COMPOSITIONALLY GRADED METALLIC PLATES FOR PLANAR SOLID OXIDE FUEL CELLS

SERIAL NUMBER: 10068230 FILING DATE: 02/04/2002  
PATENT NUMBER: 6855460 ISSUE DATE: 02/15/2005  
TITLE: NEGATIVE ELECTRODES FOR LITHIUM CELLS AND BATTERIES

SERIAL NUMBER: 10118788 FILING DATE: 04/09/2002  
PATENT NUMBER: 6858345 ISSUE DATE: 02/22/2005  
TITLE: WOUND BIPOLE LITHIUM POLYMER BATTERIES

SERIAL NUMBER: 10458344 FILING DATE: 06/10/2003  
PATENT NUMBER: 6869983 ISSUE DATE: 03/22/2005  
TITLE: SPATIALLY CONTROLLED, IN SITU SYNTHESIS OF POLYMERS

SERIAL NUMBER: 10031525 FILING DATE: 04/09/2002  
PATENT NUMBER: 6894006 ISSUE DATE: 05/17/2005  
TITLE: METHOD FOR FORMING BISMUTH - BASED SUPERCONDUCTING CERAMICS

SERIAL NUMBER: 10236133 FILING DATE: 09/06/2002  
PATENT NUMBER: 6911134 ISSUE DATE: 06/28/2005  
TITLE: THREE-ELECTRODE METAL OXIDE REDUCTION CELL

SERIAL NUMBER: 10900054 FILING DATE: 07/27/2004  
PATENT NUMBER: 6916570 ISSUE DATE: 07/12/2005  
TITLE: OXYGEN ION CONDUCTING MATERIALS

SERIAL NUMBER: 09860851 FILING DATE: 05/18/2001  
PATENT NUMBER: 6967063 ISSUE DATE: 11/22/2005  
TITLE: AUTOTHERMAL HYDRODESULFURIZING REFORMING METHOD AND CATALYST

SERIAL NUMBER: 10920539 FILING DATE: 08/18/2004  
PATENT NUMBER: 6969851 ISSUE DATE: 11/29/2005  
TITLE: ION-MOBILITY SPECTROMETRY SENSOR FOR NOX DETECTION

SERIAL NUMBER: 09924571 FILING DATE: 08/07/2001  
PATENT NUMBER: 6974070 ISSUE DATE: 12/13/2005  
TITLE: JOINING OF ADVANCED MATERIALS BY SUPERPLASTIC DEFORMATION

SERIAL NUMBER: 10105203 FILING DATE: 03/25/2002  
PATENT NUMBER: 6977122 ISSUE DATE: 12/20/2005  
TITLE: PROTON CONDUCTING MEMBRANE FOR FUEL CELLS

SERIAL NUMBER: 10619111 FILING DATE: 07/14/2003  
PATENT NUMBER: 6984335 ISSUE DATE: 01/10/2006  
TITLE: REDUNDANTLY CONSTRAINED LAMINAR STRUCTURE AS WEAK-LINK MECHANISMS

SERIAL NUMBER: 10887142 FILING DATE: 07/08/2004  
PATENT NUMBER: 6987361 ISSUE DATE: 01/17/2006  
TITLE: FIELD EMISSION CATHODE GATING FOR RF ELECTRON GUNS AND PLANAR FOCUSING CATHODES

SERIAL NUMBER: 10335462 FILING DATE: 12/30/2002  
PATENT NUMBER: 7001860 ISSUE DATE: 02/21/2006  
TITLE: CONSTRUCTION MATERIAL AND METHOD

SERIAL NUMBER: 10780451 FILING DATE: 02/17/2004  
PATENT NUMBER: 7012275 ISSUE DATE: 03/14/2006  
TITLE: METHOD FOR FABRICATION OF HIGH TEMPERATURE SUPERCONDUCTORS

SERIAL NUMBER: 10971653 FILING DATE: 10/22/2004  
PATENT NUMBER: 7012386 ISSUE DATE: 03/14/2006  
TITLE: ENHANCED RF WINDOW FOR WAVEGUIDE USED WITH PARTICLE ACCELERATOR

SERIAL NUMBER: 10283719 FILING DATE: 10/30/2002  
PATENT NUMBER: 7019713 ISSUE DATE: 03/28/2006  
TITLE: METHODS AND MEASUREMENT ENGINE FOR ALIGNING MULTI-PROJECTOR  
DISPLAY SYSTEMS

SERIAL NUMBER: 10328324 FILING DATE: 12/23/2002  
PATENT NUMBER: 7023673 ISSUE DATE: 04/04/2006  
TITLE: SUPERCONDUCTING SHIELDED CORE REACTOR WITH REDUCED AC LOSSES

SERIAL NUMBER: 10077569 FILING DATE: 02/15/2002  
PATENT NUMBER: 7026074 ISSUE DATE: 04/11/2006  
TITLE: LITHIUM ION BATTERY WITH IMPROVED SAFETY

SERIAL NUMBER: 10283991 FILING DATE: 10/30/2002  
PATENT NUMBER: 7038727 ISSUE DATE: 05/02/2006  
TITLE: METHOD TO SMOOTH PHOTOMETRIC VARIATIONS ACROSS MULTI-PROJECTOR DISPLAYS

SERIAL NUMBER: 10338175 FILING DATE: 01/07/2003  
PATENT NUMBER: 7041414 ISSUE DATE: 05/09/2006  
TITLE: SILVER MANGANESE OXIDE ELECTRODES FOR LITHIUM BATTERIES

SERIAL NUMBER: 10912708 FILING DATE: 08/05/2004  
PATENT NUMBER: 7042036 ISSUE DATE: 05/09/2006  
TITLE: MAGNETIC MEMORY USING SINGLE DOMAIN SWITCHING BY DIRECT CURRENT

SERIAL NUMBER: 10353385 FILING DATE: 01/28/2003  
PATENT NUMBER: 7049031 ISSUE DATE: 05/23/2006  
TITLE: PROTECTIVE COATING ON POSITIVE LITHIUM-METAL-OXIDE ELECTRODES FOR  
LITHIUM BATTERIES

SERIAL NUMBER: 10283670 FILING DATE: 10/30/2002  
PATENT NUMBER: 7049073 ISSUE DATE: 05/23/2006  
TITLE: DOUBLE STRANDED NUCLEIC ACID BIOCHIPS

SERIAL NUMBER: 10445681 FILING DATE: 05/27/2003  
PATENT NUMBER: 7073513 ISSUE DATE: 07/11/2006  
TITLE: SUPERCONDUCTING MAGNETIC CONTROL SYSTEM FOR MANIPULATION OF  
PARTICULATE MATTER AND MAGNETIC PROBES IN MEDICAL AND INDUSTRIAL  
APPLICATIONS

SERIAL NUMBER: 10334880 FILING DATE: 12/31/2002  
PATENT NUMBER: 7077983 ISSUE DATE: 07/18/2006  
TITLE: POLYMER NANOCOMPOSITES FOR LITHIUM BATTERY APPLICATIONS

SERIAL NUMBER: 10452818 FILING DATE: 06/02/2003  
PATENT NUMBER: 7081483 ISSUE DATE: 07/25/2006  
TITLE: POLYFUNCTIONAL DISPERSANTS FOR CONTROLLING VISCOSITY OF  
PHYLLOSILICATES

SERIAL NUMBER: 10913185 FILING DATE: 08/06/2004  
PATENT NUMBER: 7083672 ISSUE DATE: 08/01/2006  
TITLE: METHOD AND PRODUCT FOR PHOSPHOSILICATE SLURRY FOR USE IN DENTISTRY  
AND RELATED BONE CEMENTS

SERIAL NUMBER: 10669832 FILING DATE: 09/24/2003  
PATENT NUMBER: 7087211 ISSUE DATE: 08/08/2006  
TITLE: HYDROGEN PRODUCTION BY HIGH TEMPERATURE WATER SPLITTING USING ELECTRON CONDUCTING MEMBRANES

SERIAL NUMBER: 29066569 FILING DATE: 02/14/1997  
PATENT NUMBER: D413678 ISSUE DATE: 09/07/1999  
TITLE: SOLID LIQUID EXTRACTOR

TARA WASHINGTON, EXAMINER  
ASSIGNMENT SERVICES BRANCH  
PUBLIC RECORDS DIVISION

PATENT ASSIGNMENT

THIS ASSIGNMENT is between:

The University of Chicago ("U of C"), a corporation of the State of Illinois located at 5801 South Ellis Avenue, Chicago, Illinois 60637, management and operating contractor for the United States Department of Energy ("DOE") at Argonne National Laboratory under Contract No. W-31-109-ENG-38 ("U of C Prime Contract"); and

UChicago Argonne, LLC ("LLC"), a corporation of the State of Illinois located at 5801 South Ellis Avenue, Chicago, Illinois 60637, management and operating contractor for DOE at Argonne National Laboratory effective October 1, 2006, under Contract No. DE-AC02-06CH11357 ("LLC Prime Contract").

WHEREAS, U of C desires to assign to LLC, and LLC desires to receive and hereby accepts, all of U of C's rights, title, and interests throughout the world (subject to the United States Government retained non-exclusive, nontransferable, irrevocable, paid-up license) in and to the patent applications and issued and granted patents identified in Attachments A, B, C and D which are incorporated herein by this reference.

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, and in accordance with the terms and conditions of U of C's prime contract with DOE:

Automatically effective October 1, 2006, U of C hereby assigns, transfers and sets over to LLC, U of C's entire right, title and interest throughout the world, in and to the United States patent applications, foreign patent applications, Patent Cooperation Treaty patent applications (PCT Requests), and United States and foreign national and regional issued and granted patents identified in Attachments A, B, C and D for the full term or terms of each including, but not limited to, all reissue patents, reexaminations, divisionals, continuations, renewals, substitutes and extensions thereof for the use and benefit of LLC, including LLC's successors, assigns, nominees, or other legally designated representatives to enjoy to the full extent possible, together with all claims for profits and damages by reason of past infringement of any patent or patent application identified in Attachments A, B, C and D by any party or parties (including without limitation claims for infringement of provisional patent rights afforded by any pending patent application), with the right to sue for and collect the same; and specifically including the right to file foreign patent applications under the provisions of any convention or treaty and to claim any priority based on a patent application identified in Attachment A, B, C and D filed in the United States.

U of C hereby authorizes LLC to receive any and all United States and foreign patents relating to the patent applications identified in Attachments A, B, C and D in its own name and authorizes and requests the issuing authority to issue any and all United States and foreign patents granted from such patent applications to and in the name of LLC.

U of C hereby agrees to execute any and all additional documents which may be required to further effectuate this ASSIGNMENT, including, but not limited to, those documents necessary or desirable to fulfill the requirements of the United States Patent and Trademark Office, foreign patent offices, and all other applicable administrative and judicial bodies in perfecting the transfer of title in the patent applications and patents identified in Attachments A, B, C and D from U of C to LLC by way of this ASSIGNMENT so as to allow LLC to secure, maintain, defend, and enforce valid and enforceable protection.

Executed this 25<sup>th</sup> day of September, 2006.

The University of Chicago

By: Thomas F. Rosenbaum  
Thomas F. Rosenbaum  
Vice President for Research  
and for Argonne National Laboratory

STATE OF ILLINOIS )  
                      )  
                      ) ss  
COUNTY OF DU PAGE )

On this 25<sup>th</sup> day of September, 2006, before me a Notary Public in and for the County and State aforesaid, appeared the above named person, who is personally known to me to be the same person whose name is subscribed to the foregoing instrument, and acknowledged that she executed same instrument.

WITNESS my hand and seal the day and year last above given.

(Signature)  
Notary Public

My Commission Expires on: 05/15/10

OFFICIAL SEAL  
BARBARA J CRAWFORD  
NOTARY PUBLIC - STATE OF ILLINOIS  
MY COMMISSION EXPIRES: 05/15/10

UChicago Argonne, LLC

Robert Rosner

By: Robert Rosner  
President

STATE OF ILLINOIS )  
                     ) ss  
COUNTY OF DU PAGE )

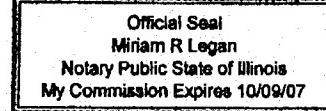
On this 26<sup>th</sup> day of September, 2006, before me a Notary Public in and for the County and State aforesaid, appeared the above named person, who is personally known to me to be the same person whose name is subscribed to the foregoing instrument, and acknowledged that she executed same instrument.

WITNESS my hand and seal the day and year last above given.

Miriam R. Legan

Notary Public

My Commission Expires on: 10/9/07



Attachment A – U.S. Patents

Attachment B – U.S. Non-Provisional Patent Applications

Attachment C – U.S. Provisional Patent Applications

Attachment D – Foreign Patents and Patent Applications

**ATTACHMENT A**  
**U.S. Patents**

| Pat. No.  | App. No.   | Filing Date | File       | Title                                                                                                                                            |
|-----------|------------|-------------|------------|--------------------------------------------------------------------------------------------------------------------------------------------------|
| 5,086,034 | 07/589,562 | 28-Sep-1990 | IN-89-030  | CALCINATION AND SOLID STATE REACTION OF CERAMIC-FORMING COMPONENTS TO PROVIDE SINGLE PHASE CERAMIC PRODUCT HAVING FINE PARTICLE SIZE (AS ISSUED) |
| 5,194,298 | 07/582,525 | 14-Sep-1990 | IN-88-047  | METHOD OF PREPARING CORROSION RESISTANT COMPOSITE MATERIALS (AS ISSUED)                                                                          |
| 5,211,923 | 07/739,029 | 01-Aug-1991 | IN-90-042  | HYDROGEN AND SULFUR RECOVERY FROM HYDROGEN SULFIDE WASTES (AS FILED)                                                                             |
| 5,411,149 | 07/928,790 | 11-Aug-1992 | IN-91-105  | AQUEOUS BIPHASIC EXTRACTION PROCESS WITH PH AND PARTICLE CONTROL (AS ISSUED)                                                                     |
| 5,429,727 | 08/129,964 | 30-Sep-1993 | IN-91-104  | ELECTROCATALYTIC CERMET GAS DETECTOR/SENSOR (AS ISSUED)                                                                                          |
| 5,440,210 | 08/048,652 | 16-Apr-1993 | IN-93-017  | INDIRECTLY SENSING ACCELERATOR BEAM CURRENTS FOR LIMITING MAXIMUM BEAM CURRENT MAGNITUDE (AS ISSUED)                                             |
| 5,453,331 | 08/289,751 | 12-Aug-1994 | IN-94-003  | COMPLIANT SEALANTS FOR SOLID OXIDE FUEL CELLS AND OTHER CERAMICS (AS ISSUED)                                                                     |
| 5,455,206 | 08/028,782 | 10-Mar-1993 | IN-88-047b | CORROSION RESISTANT CERAMIC MATERIALS (AS ISSUED)                                                                                                |
| 5,468,456 | 08/191,653 | 04-Feb-1994 | IN-93-028  | BATCH EXTRACTING PROCESS USING MAGNETIC PARTICLE HELD SOLVENTS (AS ISSUED)                                                                       |
| 5,468,964 | 08/262,998 | 20-Jun-1994 | IN-94-046  | MILLIMETER WAVE SENSOR FOR MONITORING EFFLUENTS (AS ISSUED)                                                                                      |
| 5,504,060 | 08/372,067 | 12-Jan-1995 | IN-93-130  | METHOD FOR HARVESTING RARE EARTH BARIUM COPPER OXIDE SINGLE CRYSTALS (AS ISSUED)                                                                 |
| 5,510,624 | 08/522,618 | 01-Sep-1995 | IN-94-137  | SIMULTANEOUS SPECIMEN AND STAGE CLEANING DEVICE FOR ANALYTICAL ELECTRON MICROSCOPE (AS ISSUED)                                                   |
| 5,526,903 | 08/297,979 | 30-Aug-1994 | IN-91-054  | LOW PROFILE, HIGH LOAD VERTICAL ROLLING POSITIONING STAGE (AS ISSUED)                                                                            |
| 5,532,078 | 08/312,053 | 26-Sep-1994 | IN-93-098  | ELECTROCHEMICAL CELL (AS ISSUED)                                                                                                                 |
| 5,536,593 | 08/211,554 | 05-Dec-1994 | IN-90-075e | ELECTROCHEMICAL CELL (AS ISSUED)                                                                                                                 |
| 5,549,748 | 08/372,042 | 12-Jan-1995 | IN-93-130b | METHOD FOR HARVESTING SINGLE CRYSTALS FROM A PERITECTIC MELT (AS ISSUED)                                                                         |

|           |            |             |            |                                                                                                                            |
|-----------|------------|-------------|------------|----------------------------------------------------------------------------------------------------------------------------|
| 5,563,565 | 08/156,429 | 23-Nov-1993 | IN-91-015  | METHOD FOR OBTAINING LARGE LEVITATION PRESSURE IN SUPERCONDUCTING MAGNETIC BEARINGS (AS ISSUED)                            |
| 5,602,886 | 08/541,866 | 10-Oct-1995 | IN-93-113  | NEURAL-NET CONTROLLED TAG GAS SAMPLING SYSTEM FOR NUCLEAR REACTORS (AS ISSUED)                                             |
| 5,604,162 | 08/671,325 | 27-Jun-1996 | IN-94-073b | PROCESS OF PREPARING TRITIATED POROUS SILICON (AS ISSUED)                                                                  |
| 5,605,171 | 08/517,001 | 18-Aug-1995 | IN-94-073  | POROUS SILICON WITH EMBEDDED TRITIUM AS A STAND-ALONE PRIME POWER SOURCE FOR OPTOELECTRONIC APPLICATIONS (AS ISSUED)       |
| 5,611,854 | 08/531,399 | 21-Sep-1995 | IN-94-123  | SEED CRYSTALS WITH IMPROVED PROPERTIES FOR MELT PROCESSING SUPERCONDUCTORS FOR PRACTICAL APPLICATIONS (AS ISSUED)          |
| 5,620,512 | 08/143,866 | 27-Oct-1993 | IN-93-111  | DIAMOND FILM GROWTH FROM FULLERENE PRECURSORS (AS ISSUED)                                                                  |
| 5,636,619 | 08/598,029 | 07-Feb-1996 | IN-95-070  | METHOD AND APPARATUS FOR REDUCING COLD-PHASE EMISSIONS BY UTILIZING OXYGEN-ENRICHED INTAKE AIR (AS ISSUED)                 |
| 5,645,518 | 08/380,922 | 31-Jan-1995 | IN-92-084  | METHOD FOR STABILIZING LOW-LEVEL MIXED WASTES AT ROOM TEMPERATURE (AS ISSUED)                                              |
| 5,649,517 | 08/710,520 | 18-Sep-1996 | IN-95-152  | VARIABLE OXYGEN/NITROGEN ENRICHED INTAKE AIR SYSTEM FOR INTERNAL COMBUSTION ENGINE APPLICATIONS (AS ISSUED)                |
| 5,653,867 | 08/618,625 | 19-Mar-1996 | IN-95-075  | METHOD FOR THE SEPARATION OF HIGH IMPACT POLYSTYRENE (HIPS) AND ACRYLONITRILE BUTADIENE STYRENE (ABS) PLASTICS (AS ISSUED) |
| 5,654,683 | 08/486,302 | 07-Jun-1995 | IN-91-015b | METHOD FOR OBTAINING LARGE LEVITATION PRESSURE IN SUPERCONDUCTING MAGNETIC BEARINGS                                        |
| 5,661,113 | 08/317,353 | 04-Oct-1994 | IN-93-054  | NEAR NET SHAPE PROCESSING OF CONTINUOUS LENGTHS OF SUPERCONDUCTING WIRE (AS ISSUED)                                        |
| 5,674,415 | 08/589,857 | 22-Jan-1996 | IN-95-042  | METHOD AND APPARATUS FOR REAL TIME WELD MONITORING (AS ISSUED)                                                             |
| 5,689,332 | 08/713,833 | 13-Sep-1996 | IN-96-078  | AUTOMATED REAL-TIME DETECTION OF DEFECTS DURING MACHINING OF CERAMICS (AS ISSUED)                                          |
| 5,723,639 | 08/543,522 | 16-Oct-1995 | IN-93-014  | ESTERIFICATION OF FERMENTATION-DERIVED ACIDS VIA PERVAPORATION (AS ISSUED)                                                 |
| 5,725,218 | 08/749,980 | 15-Nov-1996 | IN-96-043  | HIGH-TEMPERATURE SEAL FOR JOINING CERAMICS AND METAL ALLOYS (AS ISSUED)                                                    |

|           |            |             |            |                                                                                                                                     |
|-----------|------------|-------------|------------|-------------------------------------------------------------------------------------------------------------------------------------|
| 5,741,700 | 08/411,711 | 02-Jun-1995 | IN-95-036  | METHOD OF IMMOBILIZING WATER-SOLUBLE BIOORGANIC COMPOUNDS ON A CAPILLARY-POROUS CARRIER (AS ISSUED)                                 |
| 5,756,050 | 08/411,792 | 26-May-1995 | IN-95-038  | DEVICE OF DISPENSING MICRO-DOSSES OF AQUEOUS SOLUTIONS OF SUBSTANCES ONTO A CARRIER AND A DEVICE FOR CARRYING OUT ... (AS ISSUED)   |
| 5,770,435 | 08/556,805 | 02-Nov-1995 | IN-95-055  | MUTANT E. COLI STRAIN WITH INCREASED SUCCINIC ACID PRODUCTION (AS ISSUED)                                                           |
| 5,770,721 | 08/411,794 | 19-May-1995 | IN-95-037  | METHOD OF MANUFACTURING A MATRIX FOR THE DETECTION OF MISMATCHES (AS ISSUED)                                                        |
| 5,772,760 | 08/540,916 | 11-Oct-1995 | IN-95-020  | IMPROVED METHOD FOR THE PREPARATION OF NANOCRYSTALLINE DIAMOND THIN FILMS (AS ISSUED)                                               |
| 5,772,863 | 08/641,979 | 01-May-1996 | IN-95-136  | ELECTROCATALYTIC CERMET SENSOR (AS ISSUED)                                                                                          |
| 5,776,864 | 08/834,687 | 01-Apr-1997 | IN-94-102b | LARGE SINGLE DOMAIN 123 MATERIAL PRODUCED BY SEEDING WITH SINGLE CRYSTAL RARE EARTH BARIUM COPPER OXIDE SINGLE CRYSTALS (AS ISSUED) |
| 5,830,815 | 08/617,284 | 18-Mar-1996 | IN-95-140  | METHOD OF WASTE STABILIZATION VIA CHEMICALLY BONDED PHOSPHATE CERAMICS (AS ISSUED)                                                  |
| 5,841,627 | 08/868,176 | 03-Jun-1997 | IN-96-096  | PSEUDO-CAPACITOR DEVICE FOR AQUEOUS ELECTROLYTES (AS ISSUED)                                                                        |
| 5,846,894 | 08/619,945 | 18-Mar-1996 | IN-95-005  | PHOSPHATE BONDED STRUCTURAL PRODUCTS FROM HIGH VOLUME WASTES (AS ISSUED)                                                            |
| 5,849,079 | 08/417,154 | 04-Apr-1995 | IN-94-124  | DIAMOND FILM GROWTH IN ARGON-CARBON PLASMAS (AS ISSUED)                                                                             |
| 5,851,772 | 08/593,345 | 29-Jan-1996 | IN-95-029  | A MICROCHIP METHOD FOR THE ENRICHMENT OF SPECIFIC DNA SEQUENCES (AS ISSUED)                                                         |
| 5,861,247 | 08/592,120 | 26-Jan-1996 | IN-95-031  | A RAPID METHOD TO DETECT DUPLEX FORMATION IN SEQUENCING BY HYBRIDIZATION METHODS (AS ISSUED)                                        |
| 5,869,841 | 08/762,992 | 10-Dec-1996 | IN-94-035  | 3-DIMENSIONAL IMAGING SYSTEM USING CRYSTAL DIFFRACTION LENSES (AS ISSUED)                                                           |
| 5,882,432 | 08/692,801 | 30-Jul-1996 | IN-95-067  | EFFICIENT CONTINUOUS DRYER FOR FLEXIBLE POLYURETHANE FOAM AND CLEANING APPARATUS (AS ISSUED)                                        |
| 5,896,200 | 08/902,115 | 29-Jul-1997 | IN-97-004  | OPTICAL DESIGN FOR LASER ENCODER RESOLUTION EXTENSION AND ANGULAR MEASUREMENT (AS ISSUED)                                           |
| 5,902,640 | 08/684,426 | 19-Jul-1996 | IN-94-127  | A METHOD OF IMPROVING FIELD EMISSION CHARACTERISTICS OF DIAMOND THIN FILMS (AS ISSUED)                                              |
| 5,905,024 | 08/768,893 | 17-Dec-1996 | IN-96-051  | METHOD FOR PERFORMING SITE-SPECIFIC AFFINITY FRACTIONATION FOR USE IN DNA SEQUENCING (AS ISSUED)                                    |

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| 5,908,745 | 08/587,332 | 16-Jan-1996 | IN-95-027  | USE OF CONTINUOUS/CONTIGUOUS STACKING HYBRIDIZATION AS A DIAGNOSTIC TOOL (AS ISSUED)                                                               |
| 5,929,286 | 09/092,190 | 05-Jun-1998 | IN-96-134b | METHOD FOR MAKING HYDROGEN RICH GAS FROM HYDROCARBON FUEL (AS ISSUED)                                                                              |
| 5,939,025 | 08/518,541 | 23-Aug-1995 | IN-95-010  | METHANOL PARTIAL OXIDATION REFORMER (AS ISSUED)                                                                                                    |
| 5,942,345 | 08/909,336 | 11-Aug-1997 | IN-96-118  | HIGH PERFORMANCE ELECTROLYTES FOR MCFC (AS ISSUED)                                                                                                 |
| 5,942,346 | 09/110,373 | 06-Jul-1998 | IN-95-010b | METHANOL PARTIAL OXIDATION REFORMER (AS ISSUED)                                                                                                    |
| 5,962,329 | 09/061,308 | 16-Apr-1998 | IN-95-038b | METHOD OF DISPENSING MICRODOSES OF AQUEOUS SOLUTIONS OF SUBSTANCES ONTO A CARRIER AND DEVICE FOR CARRYING OUT SAID METHOD (AS ISSUED)              |
| 5,975,493 | 08/926,941 | 10-Sep-1997 | IN-96-149  | PROCESS FOR CONTROLLING FLOW RATE OF VISCOUS MATERIALS INCLUDING USE OF A NOZZLE WITH CHANGEABLE OPENINGS (AS ISSUED)                              |
| 5,981,734 | 08/895,656 | 17-Jul-1997 | IN-96-068  | METHODS FOR IMMOBILIZING NUCLEIC ACIDS ON A GEL SUBSTRATE (AS ISSUED)                                                                              |
| 5,989,511 | 08/620,932 | 22-Mar-1996 | IN-95-111  | SMOOTH DIAMOND FILMS AS LOW FRICTION, LONG WEAR SURFACES (AS ISSUED)                                                                               |
| 6,001,562 | 08/438,506 | 10-May-1995 | IN-94-104  | DNA SEQUENCE SIMILARITY RECOGNITION BY HYBRIDIZATION TO SHORT OLIGOMERS (AS ISSUED)                                                                |
| 6,013,172 | 08/970,024 | 13-Nov-1997 | IN-97-074  | METHODOLOGY FOR EXTRACTING LOCAL CONSTANTS FROM PETROLEUM CRACKING FLOWS (AS ISSUED)                                                               |
| 6,055,808 | 09/102,232 | 22-Jun-1998 | IN-98-061  | METHOD AND APPARATUS FOR REDUCING PARTICULATES AND NOX EMISSIONS FROM DIESEL ENGINES ...                                                           |
| 6,058,387 | 08/593,937 | 30-Jan-1996 | IN-95-146  | DYNAMIC INFORMATION ARCHITECTURE SYSTEM AND METHOD (AS ISSUED)                                                                                     |
| 6,062,069 | 09/129,689 | 05-Aug-1998 | IN-95-115  | HIGH TEMPERATURE FOULING TEST UNIT (AS ISSUED)                                                                                                     |
| 6,078,600 | 09/045,468 | 20-Mar-1998 | IN-97-144  | GENERATION AND USE OF HIGH POWER 213 NM AND 266 NM LASER RADIATION AND TUNABLE 210-400 NM LASER RADIATION WITH BBO CRYSTAL MATRIX ARRAY (AS FILED) |
| 6,083,362 | 09/129,960 | 06-Aug-1998 | IN-97-098  | A DIMENSIONALLY STABLE ANODE FOR ELECTROLYSIS, METHOD FOR MAINTAINING DIMENSIONS OF ANODE DURING ELECTROLYSIS (AS ISSUED)                          |
| 6,090,549 | 08/855,372 | 13-May-1997 | IN-97-025  | USE OF CONTINUOUS/CONTIGUOUS STACKING HYBRIDIZATION AS A DIAGNOSTIC TOOL (AS ISSUED)                                                               |
| 6,097,118 | 09/183,141 | 30-Oct-1998 | IN-98-015  | RELUCTANCE APPARATUS FOR FLYWHEEL ENERGY STORAGE (AS ISSUED)                                                                                       |

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| 6,110,621 | 09/198,356 | 24-Nov-1998 | IN-98-060  | CARBONS FOR LITHIUM BATTERIES<br>PREPARED USING SEPIOLITE AS AN<br>INORGANIC TEMPLATE (AS ISSUED)                    |
| 6,110,861 | 08/867,556 | 02-Jun-1997 | IN-96-134  | PARTIAL OXIDATION CATALYST (AS ISSUED)                                                                               |
| 6,117,808 | 09/010,424 | 21-Jan-1998 | IN-95-102  | DENSE CERAMIC MEMBRANE MATERIAL<br>FOR CONVERSION OF METHANE TO<br>SYNGAS (AS ISSUED)                                |
| 6,143,499 | 09/099,959 | 19-Jun-1998 | IN-96-051b | MINIATURIZED REACTION VESSEL SYSTEM,<br>METHOD FOR PERFORMING SITE-SPECIFIC<br>BIOCHEMICAL REACTIONS ... (AS ISSUED) |
| 6,153,398 | 08/997,758 | 24-Dec-1997 | IN-97-053  | METHOD TO IDENTIFY SPECIFIC INHIBITORS<br>OF IMP DEHYDROGENASE (AS ISSUED)                                           |
| 6,153,958 | 08/247,566 | 23-May-1994 | IN-93-075  | BEARING DESIGN FOR FLYWHEEL ENERGY<br>STORAGE USING HIGH-TC<br>SUPERCONDUCTORS (AS ISSUED)                           |
| 6,159,738 | 09/067,931 | 28-Apr-1998 | IN-97-140  | METHOD FOR CONSTRUCTION OF<br>BACTERIAL STRAINS WITH INCREASED<br>SUCCINIC ACID PRODUCTION (AS ISSUED)               |
| 6,169,352 | 08/898,478 | 21-Jul-1997 | IN-97-021  | TRAPPED FIELD INTERNAL DIPOLE<br>SUPERCONDUCTING MOTOR/GENERATOR<br>(AS ISSUED)                                      |
| 6,172,121 | 09/316,449 | 21-May-1999 | IN-98-052  | PROCESS FOR PREPARING ORGANOCLAYS<br>FOR AQUEOUS AND POLAR-ORGANIC<br>SYSTEMS (AS ISSUED)                            |
| 6,173,567 | 09/152,578 | 14-Sep-1998 | IN-98-013  | METHODS TO REDUCE DIESEL ENGINE<br>EXHAUST EMISSIONS (AS ISSUED)                                                     |
| 6,173,663 | 09/336,791 | 21-Jun-1999 | IN-94-129  | CARBON DIOXIDE REMEDIATION VIA<br>OXYGEN-ENRICHED COMBUSTION USING<br>DENSE CERAMIC MEMBRANES (AS ISSUED)            |
| 6,191,583 | 09/360,553 | 26-Jul-1999 | IN-97-064  | NUCLEAR MAGNETIC RESONANCE<br>DETECTOR USED FOR REDUCING PROBE<br>RINGING (AS ISSUED)                                |
| 6,197,556 | 08/852,001 | 06-May-1997 | IN-97-014  | NUCLEIC ACID AMPLIFICATION USING<br>MODULAR BRANCHED PRIMERS (AS<br>ISSUED)                                          |
| 6,204,214 | 09/124,822 | 29-Jul-1998 | IN-97-086  | PUMPABLE/INJECTABLE PHOSPHATE<br>BONDED CERAMICS (AS ISSUED)                                                         |
| 6,221,275 | 09/199,002 | 24-Nov-1998 | IN-97-023  | ENHANCED HEAT TRANSFER USING<br>NANOFLUIDS (AS ISSUED)                                                               |
| 6,221,531 | 09/349,819 | 08-Jul-1999 | IN-98-069  | LITHIUM-TITANIUM-OXIDE ANODES FOR<br>LITHIUM BATTERIES (AS ISSUED)                                                   |
| 6,234,115 | 09/130,510 | 06-Aug-1998 | IN-98-023  | NESTING BOX FOR EXCRETA COLLECTION<br>FROM MOUSE DAMS THROUGH<br>PARTURITION AND LACTATION (AS ISSUED)               |
| 6,235,889 | 09/264,466 | 08-Mar-1999 | IN-97-014b | NUCLEIC ACID AMPLIFICATION USING<br>MODULAR BRANCHED PRIMERS (AS<br>ISSUED)                                          |
| 6,240,619 | 08/662,515 | 13-Jun-1996 | IN-92-059b | THERMOMECHANICAL MEANS TO IMPROVE<br>THE CRITICAL DENSITY OF BSCCO TAPES<br>(AS ISSUED)                              |

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| 6,244,052 | 09/585,770 | 02-Jun-2000 | IN-99-062c | METHOD AND APPARATUS FOR PRODUCING PHASE CHANGE ICE PARTICULATE PERFLUOROCARBON SLURRIES (AS ISSUED)                     |
| 6,244,367 | 09/110,425 | 06-Jul-1998 | IN-95-010c | METHANOL PARTIAL OXIDATION REFORMER (AS ISSUED)                                                                          |
| 6,249,453 | 09/550,835 | 18-Apr-2000 | IN-99-082  | VOLTAGE CONTROLLED SPINTRONIC DEVICES FOR LOGIC APPLICATIONS (AS ISSUED)                                                 |
| 6,253,096 | 09/349,322 | 08-Jul-1999 | IN-97-045  | SHIELDED HIGH-TC BSCCO TAPES/WIRES FOR HIGH FIELD APPLICATIONS (AS ISSUED)                                               |
| 6,271,130 | 09/200,159 | 25-Nov-1998 | IN-98-038  | SEMICONDUCTOR ASSISTED METAL DEPOSITION FOR NANOLITHOGRAPHY APPLICATIONS (AS ISSUED)                                     |
| 6,272,036 | 09/467,808 | 20-Dec-1999 | IN-99-001  | CONTROL OF MAGNETIC DIRECTION IN MULTILAYER FERROMAGNETIC DEVICES BY BIAS VOLTAGE (AS ISSUED)                            |
| 6,279,378 | 09/428,505 | 27-Oct-1999 | IN-98-040  | ULTRASONIC GAS ANALYZER AND METHOD TO ANALYZE TRACE GASES (AS ISSUED)                                                    |
| 6,285,449 | 09/330,727 | 11-Jun-1999 | IN-99-053  | OPTICAL METHOD AND APPARATUS FOR DETECTION OF DEFECTS AND MICROSTRUCTURAL CHANGES IN CERAMICS AND CERAMIC COATINGS       |
| 6,294,074 | 09/573,575 | 18-May-2000 | IN-99-092  | ELECTRODE DESIGN FOR CORROSION MONITORING USING ELECTROCHEMICAL NOISE MEASUREMENTS (AS ISSUED)                           |
| 6,303,098 | 09/382,737 | 24-Aug-1999 | IN-98-009  | STEAM REFORMING CATALYST (AS ISSUED)                                                                                     |
| 6,329,436 | 07/972,426 | 05-Nov-1992 | IN-92-026  | A PROCESS TO RECYCLE SHREDDER RESIDUE (AS ISSUED)                                                                        |
| 6,329,635 | 09/182,927 | 30-Oct-1998 | IN-97-084  | METHODS FOR WELD MONITORING AND LASER HEAT TREATMENT MONITORING (AS ISSUED)                                              |
| 6,329,661 | 09/515,814 | 29-Feb-2000 | IN-99-070  | BIOCHIP SCANNER DEVICE (AS ISSUED)                                                                                       |
| 6,361,598 | 09/621,272 | 20-Jul-2000 | IN-00-042  | METHOD FOR PREPARING HIGH TEMPERATURE SUPERCONDUCTOR (AS ISSUED)                                                         |
| 6,364,923 | 09/616,419 | 14-Jul-2000 | IN-99-108  | METHOD AND APPARATUS FOR THE CLEAN REPLACEMENT OF CONTAMINATED HEPA FILTERS                                              |
| 6,375,813 | 09/569,538 | 12-May-2000 | IN-97-098b | A DIMENSIONALLY STABLE ANODE FOR ELECTROLYSIS, METHOD FOR MAINTAINING DIMENSIONS OF ANODE DURING ELECTROLYSIS (AS FILED) |
| 6,383,282 | 09/532,728 | 22-Mar-2000 | IN-99-076  | PSEUDOPHASIC EXTRACTION METHOD FOR THE SEPARATION OF ULTRA-FINE MATERIALS (AS FILED)                                     |
| 6,397,489 | 09/648,693 | 25-Aug-2000 | IN-96-009  | MULTIPORT CYLINDER DRYER WITH LOW THERMAL RESISTANCE AND HIGH HEAT TRANSFER (AS ISSUED)                                  |

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| 6,403,018 | 09/489,983 | 21-Jan-2000 | IN-99-039  | METHOD FOR FABRICATING CERAMIC COMPOSITES (AS ISSUED)                                                                                      |
| 6,407,395 | 09/515,290 | 29-Feb-2000 | IN-99-118  | A PORTABLE BIOCHIP SCANNER DEVICE (AS ISSUED)                                                                                              |
| 6,410,487 | 09/619,934 | 20-Jul-2000 | IN-00-028  | LARGE AREA BULK SUPERCONDUCTORS (AS ISSUED)                                                                                                |
| 6,410,935 | 09/858,791 | 16-May-2001 | IN-98-038b | SEMICONDUCTOR ASSISTED METAL DEPOSITION FOR NANOLITHOGRAPHY APPLICATIONS (AS ISSUED)                                                       |
| 6,413,444 | 09/586,576 | 02-Jun-2000 | IN-99-062b | METHODS AND APPARATUS FOR PRODUCING PHASE CHANGE ICE PARTICULATE SLURRIES (AS ISSUED)                                                      |
| 6,422,077 | 09/543,992 | 06-Apr-2000 | IN-99-123  | ULTRANANOCRYSTALLINE DIAMOND CANTILEVER WIDE DYNAMIC RANGE ACCELERATION/VIBRATION/PRESSURE SENSOR (AS ISSUED)                              |
| 6,440,671 | 09/498,851 | 07-Feb-2000 | IN-97-025b | USE OF CONTINUOUS/CONTIGUOUS STACKING HYBRIDIZATION AS A DIAGNOSTIC TOOL (AS ISSUED)                                                       |
| 6,447,851 | 09/352,063 | 14-Jul-1999 | IN-98-087  | FIELD EMISSION FROM BIAS-GROWN DIAMOND THIN FILMS IN A MICROWAVE PLASMA (AS ISSUED)                                                        |
| 6,455,166 | 09/568,890 | 11-May-2000 | IN-99-107  | METALLIC SUBSTRATES FOR HIGH TEMPERATURE SUPERCONDUCTORS (AS ISSUED)                                                                       |
| 6,455,352 | 09/653,672 | 01-Sep-2000 | IN-99-121  | PIN ARRAY ASSEMBLY AND METHOD OF MANUFACTURE (AS ISSUED)                                                                                   |
| 6,458,584 | 09/261,115 | 03-Mar-1999 | IN-96-050b | CUSTOMIZED OLIGONUCLEOTIDE MICROCHIPS THAT CONVERT MULTIPLE GENETIC INFORMATION TO SIMPLER PATTERNS, ARE PORTABLE AND REUSABLE (AS ISSUED) |
| 6,459,771 | 09/667,904 | 22-Sep-2000 | IN-98-097  | METHOD FOR FABRICATING PRECISION FOCUSING X-RAY COLLIMATORS (AS ISSUED)                                                                    |
| 6,461,491 | 09/589,329 | 07-Jun-2000 | IN-98-123  | METHOD AND APPARATUS FOR ELECTRODIALYSIS PROCESSING (AS FILED)                                                                             |
| 6,464,880 | 09/664,838 | 19-Sep-2000 | IN-99-109  | MICROPOROUS INOMERIC MATERIALS AND METHODS OF PREPARATION (AS ISSUED)                                                                      |
| 6,465,174 | 09/127,313 | 31-Jul-1998 | IN-98-012  | RAPID METHOD TO DETECT DUPLEX FORMATION IN SEQUENCING BY HYBRIDIZATION METHODS ... (AS ISSUED)                                             |
| 6,465,216 | 09/775,345 | 01-Feb-2001 | IN-99-089  | METHODS AND CONSTRUCTS FOR EXPRESSION OF PROTEINS IN PHOTOSYNTHETIC ORGANISMS (AS ISSUED)                                                  |
| 6,466,805 | 09/842,502 | 26-Apr-2001 | IN-97-045b | SHIELDED HIGH TC BSCCO TAPES OR WIRES FOR HIGH FIELD APPLICATIONS (AS ISSUED)                                                              |
| 6,468,499 | 09/590,460 | 09-Jun-2000 | IN-99-015  | METHOD OF GENERATING HYDROGEN BY CATALYTIC DECOMPOSITION OF WATER (AS ISSUED)                                                              |

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| 6,469,507 | 09/631,156 | 03-Aug-2000 | IN-00-046  | FLAT METAL CONDUCTOR PRINCIPAL DETECTOR ELEMENT FOR NMR ANALYSIS (AS ISSUED)                                                     |
| 6,484,133 | 09/539,961 | 31-Mar-2000 | IN-99-031  | SENSOR RESPONSE RATE ACCELERATOR (AS ISSUED)                                                                                     |
| 6,485,541 | 09/632,873 | 04-Aug-2000 | IN-00-025  | METHOD TO DECREASE LOSS OF ALUMINUM AND MAGNESIUM MELTS (AS ISSUED)                                                              |
| 6,485,943 | 09/274,163 | 22-Mar-1999 | IN-93-108b | METHOD FOR ALTERING ANTIBODY LIGHT CHAIN INTERACTIONS (AS ISSUED)                                                                |
| 6,495,014 | 09/806,683 | 12-Jul-2001 | IN-98-076b | ELECTRODEIONIZATION SUBSTRATE, AND DEVICE FOR ELECTRODEIONIZATION TREATMENT (AS ISSUED)                                          |
| 6,498,119 | 09/751,655 | 29-Dec-2000 | IN-00-088  | CHEMICALLY BONDED PHOSPHATE CERAMICS OF TRIVALENT OXIDES OF IRON AND MANGANESE (AS ISSUED)                                       |
| 6,504,077 | 09/685,495 | 10-Oct-2000 | IN-98-117  | METHOD FOR THE DECONTAMINATION OF METALLIC SURFACES (AS ISSUED)                                                                  |
| 6,507,774 | 09/379,401 | 24-Aug-1999 | IN-98-113  | INTELLIGENT EMISSIONS CONTROLLER FOR SUBSTANCE INJECTION IN THE POST-PRIMARY COMBUSTION ZONE OF FOSSIL-FIRED BOILERS (AS ISSUED) |
| 6,517,236 | 09/784,597 | 15-Feb-2001 | IN-00-051  | METHOD AND APPARATUS FOR AUTOMATED THERMAL IMAGING OF COMBUSTOR LINERS AND OTHER PRODUCTS (AS ISSUED)                            |
| 6,518,212 | 09/664,490 | 18-Sep-2000 | IN-00-002  | CHEMICALLY BONDED PHOSPHO-SILICATE CERAMICS (AS ISSUED)                                                                          |
| 6,519,535 | 09/587,008 | 05-Jun-2000 | IN-99-127  | EDDY CURRENT TECHNIQUE FOR PREDICTING BURST PRESSURE (AS ISSUED)                                                                 |
| 6,521,202 | 09/344,859 | 28-Jun-1999 | IN-98-089  | OXYGEN ION CONDUCTING MATERIALS (AS ISSUED)                                                                                      |
| 6,521,678 | 09/717,590 | 21-Nov-2000 | IN-99-077  | PROCESS FOR THE PREPARATION OF ORGANOCLAYS (AS ISSUED)                                                                           |
| 6,528,208 | 09/622,617 | 26-Oct-2000 | IN-96-113  | ANODE FOR RECHARGEABLE LITHIUM BATTERIES (AS ISSUED)                                                                             |
| 6,537,575 | 09/627,808 | 28-Jul-2000 | IN-97-104  | SYNTHETIC BIOLOGICAL MEMBRANE WITH SELF ORGANIZING PROPERTIES (AS ISSUED)                                                        |
| 6,538,444 | 10/156,174 | 28-May-2002 | IN-01-088  | TWO DIMENSIONAL B1-GRADIENT NMR IMAGER (AS ISSUED)                                                                               |
| 6,542,849 | 09/766,214 | 19-Jan-2001 | IN-00-058  | METHOD FOR DETERMINING DEFECT DEPTH USING THERMAL IMAGING (AS ISSUED)                                                            |
| 6,548,173 | 09/808,632 | 14-Mar-2001 | IN-97-046  | METHOD TO PRODUCE ULTRA LOW FRICTION CARBON FILMS (AS ISSUED)                                                                    |
| 6,548,810 | 09/920,492 | 01-Aug-2001 | IN-00-109  | SCANNING CONFOCAL ELECTRON MICROSCOPE (AS ISSUED)                                                                                |
| 6,579,360 | 09/905,509 | 13-Jul-2001 | IN-01-016  | FABRICATION OF HIGH TEMPERATURE SUPERCONDUCTORS (AS ISSUED)                                                                      |

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| 6,592,839 | 09/255,919 | 23-Feb-1999 | IN-97-047 | TAILORING NANOCRYSTALLINE DIAMOND FILM PROPERTIES (AS ISSUED)                                                                                             |
| 6,596,994 | 09/665,958 | 11-Sep-2000 | IN-99-085 | BEAM-POSITION MONITOR (AS ISSUED)                                                                                                                         |
| 6,599,950 | 09/821,181 | 29-Mar-2001 | IN-00-085 | A PROCESS FOR THE RECOVERY AND SEPARATION OF PLASTICS (AS ISSUED)                                                                                         |
| 6,607,840 | 09/930,699 | 15-Aug-2001 | IN-99-004 | REDUNDANTLY CONSTRAINED LAMINAR STRUCTURE AS WEAK-LINK MECHANISMS (AS ISSUED)                                                                             |
| 6,613,601 | 10/142,814 | 09-May-2002 | IN-99-123 | ULTRANANOCRYSTALLINE DIAMOND CANTILEVER WIDE DYNAMIC RANGE ACCELERATION/VIBRATION/PRESSURE SENSOR (AS ISSUED)                                             |
| 6,620,623 | 10/139,842 | 06-May-2002 | IN-01-052 | BIOCHIP READER WITH ENHANCED ILLUMINATION AND BIOARRAY POSITIONING APPARATUS (AS ISSUED)                                                                  |
| 6,630,819 | 09/790,961 | 22-Feb-2001 | IN-98-103 | MAGNETO-OPTIC CURRENT SENSOR (AS ISSUED)                                                                                                                  |
| 6,638,895 | 09/696,050 | 25-Oct-2000 | IN-98-091 | METHOD FOR FABRICATING HIGH ASPECT RATIO STRUCTURES IN PEROVSKITE MATERIAL (AS ISSUED)                                                                    |
| 6,642,000 | 09/559,306 | 25-Apr-2000 | IN-98-126 | PCR AMPLIFICATION ON MICROARRAYS OF GEL IMMOBILIZED OLIGONUCLEOTIDES (AS ISSUED)                                                                          |
| 6,656,725 | 09/930,865 | 15-Aug-2001 | IN-98-125 | METHOD OF FABRICATION OF MICROARRAY OF GEL-IMMOBILIZED COMPOUNDS ON A CHIP BY COPOLYMERIZATION (AS ISSUED)                                                |
| 6,668,763 | 10/095,597 | 11-Mar-2002 | IN-96-103 | PROCESS FOR IN-SITU PRODUCTION OF HYDROGEN (H <sub>2</sub> ) BY ALCOHOL DECOMPOSITION FOR EMISSION REDUCTION FROM INTERNAL COMBUSTION ENGINES (AS ISSUED) |
| 6,670,305 | 09/851,843 | 09-May-2001 | IN-01-038 | FREE STANDING MONOLITHIC CATALYST WITH MICRO-SCALE CHANNEL DIMENSIONS (AS ISSUED)                                                                         |
| 6,674,283 | 10/247,869 | 20-Sep-2002 | IN-00-046 | FLAT METAL CONDUCTOR PRINCIPAL DETECTOR ELEMENT FOR NMR ANALYSIS (AS ISSUED)                                                                              |
| 6,677,082 | 09/887,842 | 21-Jun-2001 | IN-00-063 | LITHIUM-METAL-OXIDE ELECTRODES FOR LITHIUM CELLS AND BATTERIES (AS ISSUED)                                                                                |
| 6,677,606 | 09/606,429 | 28-Jun-2000 | IN-00-033 | DOPA AND DOPAMINE MODIFICATION OF METAL OXIDE SEMICONDUCTORS, METHOD FOR ATTACHING BIOLOGICAL MOLECULES TO SEMICONDUCTORS (AS ISSUED)                     |
| 6,680,143 | 09/989,844 | 21-Nov-2001 | IN-00-063 | LITHIUM-METAL-OXIDE ELECTRODES FOR LITHIUM CELLS AND BATTERIES (AS ISSUED)                                                                                |
| 6,691,554 | 09/833,168 | 11-Apr-2001 | IN-00-038 | NANOCRYSTALLINE FILMS FOR GAS-REACTIVE APPLICATIONS (AS ISSUED)                                                                                           |

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| 6,692,972 | 09/645,246 | 24-Aug-2000 | IN-98-099 | DEVICE FOR PRODUCING MICROSCOPIC ARRAYS OF MOLECULES, A METHOD FOR PRODUCING MICROSCOPIC ARRAYS OF MOLECULES (AS ISSUED)                                                    |
| 6,700,662 | 09/767,104 | 22-Jan-2001 | IN-99-056 | A PORTABLE LII BASED INSTRUMENT AND METHOD FOR PARTICULATE CHARACTERIZATION IN COMBUSTION EXHAUST (AS ISSUED)                                                               |
| 6,713,040 | 09/816,676 | 23-Mar-2001 | IN-00-030 | METHOD FOR GENERATING HYDROGEN FOR FUEL CELLS (AS ISSUED)                                                                                                                   |
| 6,718,009 | 10/243,559 | 13-Sep-2002 | IN-00-072 | METHOD OF MAKING OF COMPOUND X-RAY LENSES AND VARIABLE FOCUS X-RAY LENS ASSEMBLY (AS ISSUED)                                                                                |
| 6,720,769 | 10/177,189 | 21-Jun-2002 | IN-01-075 | ROTATIONAL EXCHANGE GRADIENT IMAGER FOR IN SITU MAGNETIC RESONANCE ANALYSIS IN ULTRACENTRIFUGE SEDIMENTATION OF BIOLOGICAL MATERIAL AND RHEOLOGY INVESTIGATIONS (AS ISSUED) |
| 6,726,893 | 10/245,039 | 17-Sep-2002 | IN-01-139 | HYDROGEN PRODUCTION FROM WATER SPLITTING USING MIXED OXYGEN-ELECTRON CONDUCTING MEMBRANES (AS ISSUED)                                                                       |
| 6,729,801 | 09/885,539 | 21-Jun-2001 | IN-01-069 | SYSTEM AND METHOD FOR DETECTING CONTAMINATION USING VEGETATION SAMPLING (AS ISSUED)                                                                                         |
| 6,730,429 | 10/008,885 | 08-Nov-2001 | IN-00-105 | INTERMETALLIC NEGATIVE ELECTRODES FOR NON-AQUEOUS LITHIUM CELLS AND BATTERIES (AS ISSUED)                                                                                   |
| 6,730,912 | 10/232,176 | 30-Aug-2002 | IN-02-022 | METHOD AND APPARATUS FOR DETECTING NORMAL CRACKS USING INFRARED THERMAL IMAGING (AS ISSUED)                                                                                 |
| 6,743,610 | 09/823,949 | 30-Mar-2001 | IN-99-122 | METHOD TO PRODUCE SUCCINIC ACID FROM RAW HYDROLYSATES (AS ISSUED)                                                                                                           |
| 6,751,075 | 10/015,373 | 12-Dec-2001 | IN-01-074 | SUPERCONDUCTING FAULT CURRENT CONTROLLER/CURRENT CONTROLLER (AS ISSUED)                                                                                                     |
| 6,762,233 | 09/973,302 | 09-Oct-2001 | IN-00-081 | LIQUID CRYSTALLINE COMPOSITES CONTAINING PHYLLOSILICATES (AS ISSUED)                                                                                                        |
| 6,763,901 | 10/235,556 | 06-Sep-2002 | IN-01-092 | AIR DELIVERY SYSTEM FOR A DIRECT PUSH DRILLING SWIVEL (AS ISSUED)                                                                                                           |
| 6,776,837 | 10/012,839 | 30-Nov-2001 | IN-01-046 | FORMATION OF CHEMICALLY BONDED CERAMICS WITH MAGNESIUM DIHYDROGEN PHOSPHATE BINDER (AS ISSUED)                                                                              |
| 6,782,321 | 10/226,202 | 23-Aug-2002 | IN-01-096 | METHOD FOR PERFORMING ENVIRONMENTAL SITE CHARACTERIZATION (AS ISSUED)                                                                                                       |
| 6,783,561 | 10/027,241 | 20-Dec-2001 | IN-99-060 | METHOD TO IMPROVE LUBRICITY OF LOW SULFUR DIESEL AND GASOLINE FUELS (AS ISSUED)                                                                                             |

|           |            |             |           |                                                                                                                       |
|-----------|------------|-------------|-----------|-----------------------------------------------------------------------------------------------------------------------|
| 6,788,064 | 10/386,847 | 12-Mar-2003 | IN-02-013 | PASSIVELY SHIMMED PRINCIPAL DETECTOR ELEMENTS FOR TOROID CAVITY DETECTOR NMR PROBES (AS ISSUED)                       |
| 6,790,896 | 10/100,381 | 18-Mar-2002 | IN-01-083 | COMPOSITE MATERIALS WITH IMPROVED PHYLLOSILICATE DISPERSION (AS ISSUED)                                               |
| 6,791,326 | 10/313,291 | 06-Dec-2002 | IN-01-137 | NMR DETECTOR FOR SUPPORTED MONOLAYER AND MULTILAYER FILMS (AS ISSUED)                                                 |
| 6,793,849 | 10/398,427 | 09-Oct-2001 | IN-00-061 | N-TYPE DOPING OF NANOCRYSTALLINE DIAMOND FILMS WITH NITROGEN AND ELECTRODES MADE THEREFROM (AS ISSUED)                |
| 6,797,140 | 10/213,721 | 06-Aug-2002 | IN-01-130 | ELECTRODEIONIZATION METHOD (AS ISSUED)                                                                                |
| 6,811,612 | 10/169,879 | 08-Nov-2002 | IN-99-048 | PATTERNING OF NANOCRYSTALLINE DIAMOND FILMS FOR DIAMOND MICROSTRUCTURES USEFUL IN MEMS AND OTHER DEVICES (AS ISSUED)  |
| 6,814,166 | 10/235,532 | 06-Sep-2002 | IN-01-091 | DIRECT PUSH DRILLING SWIVEL AND METHOD FOR ITS USE (AS ISSUED)                                                        |
| 6,818,398 | 09/751,654 | 29-Dec-2000 | IN-99-120 | COLUMN DEVICE FOR ISOLATION AND LABELING OF NUCLEIC ACIDS (AS ISSUED)                                                 |
| 6,821,498 | 10/327,502 | 20-Dec-2002 | IN-98-089 | OXYGEN ION CONDUCTING MATERIALS (AS ISSUED)                                                                           |
| 6,822,035 | 10/078,992 | 20-Feb-2002 | IN-01-064 | PROCESS FOR THE PREPARATION OF ORGANOCOLAYS (AS ISSUED)                                                               |
| 6,822,733 | 10/610,192 | 30-Jun-2003 | IN-01-136 | OPTICAL DESIGN FOR LASER ENCODER RESOLUTION EXTENSION WITH THREE DIMENSIONAL MOTION DECOUPLING (AS FILED)             |
| 6,826,488 | 09/533,466 | 23-Mar-2000 | IN-98-058 | CRYSTALS, MOLECULAR COMPLEXES, AND METHODS OF DEVELOPING LEAD COMPOUNDS FOR INHIBITORS OF BACTERIAL IMPDH (AS ISSUED) |
| 6,831,933 | 09/916,458 | 27-Jul-2001 | IN-01-051 | MODULAR APPROACH TO THE NEXT GENERATION, SHORT WAVELENGTH, LASER-LIKE LIGHT SOURCES (AS ISSUED)                       |
| 6,839,655 | 09/865,953 | 25-May-2001 | IN-99-021 | A SYSTEM FOR MONITORING NON-COINCIDENT, NONSTATIONARY, PROCESS SIGNALS (AS ISSUED)                                    |
| 6,843,960 | 10/167,832 | 12-Jun-2002 | IN-01-149 | COMPOSITIONALLY GRADED METALLIC PLATES FOR PLANAR SOLID OXIDE FUEL CELLS (AS ISSUED)                                  |
| 6,855,460 | 10/068,230 | 04-Feb-2002 | IN-01-022 | NEGATIVE ELECTRODES FOR LITHIUM CELLS AND BATTERIES (AS ISSUED)                                                       |
| 6,858,345 | 10/118,788 | 09-Apr-2002 | IN-00-009 | WOUND BIPOLAR LITHIUM POLYMER BATTERIES (AS ISSUED)                                                                   |
| 6,869,983 | 10/458,344 | 10-Jun-2003 | IN-02-059 | SPATIALLY CONTROLLED, IN SITU SYNTHESIS OF POLYMERS (AS ISSUED)                                                       |

|           |            |             |           |                                                                                                 |
|-----------|------------|-------------|-----------|-------------------------------------------------------------------------------------------------|
| 6,878,521 | 09/712,819 | 13-Nov-2000 | IN-99-019 | FIBRIL-BLOCKING PEPTIDE, A METHOD FOR PREVENTING FIBRIL FORMATION (AS ISSUED)                   |
| 6,894,006 | 10/031,525 | 09-Apr-2002 | IN-99-042 | METHOD FOR FORMING BISMUTH-BASED SUPERCONDUCTING CERAMICS (AS ISSUED)                           |
| 6,911,134 | 10/236,133 | 06-Sep-2002 | IN-01-110 | THREE-ELECTRODE METAL OXIDE REDUCTION CELL (AS ISSUED)                                          |
| 6,916,570 | 10/900,054 | 27-Jul-2004 | IN-98-089 | OXYGEN ION CONDUCTING MATERIALS (AS ISSUED)                                                     |
| 6,967,063 | 09/860,851 | 18-May-2001 | IN-01-065 | AUTOHERMAL HYDRODESULFURIZING REFORMING METHOD AND CATALYST (AS ISSUED)                         |
| 6,969,851 | 10/920,539 | 18-Aug-2004 | IN-04-004 | ION-MOBILITY SPECTROMETRY SENSOR FOR NO <sub>x</sub> DETECTION (AS ISSUED)                      |
| 6,974,070 | 09/924,571 | 07-Aug-2001 | IN-01-019 | JOINING OF ADVANCED MATERIALS BY PLASTIC DEFORMATION (AS ISSUED)                                |
| 6,977,122 | 10/105,203 | 25-Mar-2002 | IN-01-033 | IMPROVED PROTON CONDUCTING MEMBRANE FOR FUEL CELLS (AS ISSUED)                                  |
| 6,984,335 | 10/619,111 | 14-Jul-2003 | IN-99-004 | REDUNDANTLY CONSTRAINED LAMINAR STRUCTURE AS WEAK-LINK MECHANISMS (AS ISSUED)                   |
| 6,987,361 | 10/887,142 | 08-Jul-2004 | IN-04-039 | FIELD EMISSION CATHODE GATING FOR RF ELECTRON GUNS AND PLANAR FOCUSING CATHODES (AS ISSUED)     |
| 7,001,860 | 10/335,462 | 30-Dec-2002 | IN-01-094 | CONSTRUCTION MATERIAL AND METHOD (AS ISSUED)                                                    |
| 7,012,275 | 10/780,451 | 17-Feb-2004 | IN-03-123 | METHOD FOR FABRICATION OF HIGH TEMPERATURE SUPERCONDUCTORS (AS ISSUED)                          |
| 7,012,386 | 10/971,653 | 22-Oct-2004 | IN-01-021 | ENHANCED RF WINDOW FOR WAVEGUIDE USED WITH PARTICLE ACCELERATOR (AS ISSUED)                     |
| 7,019,713 | 10/283,719 | 30-Oct-2002 | IN-02-054 | METHODS AND MEASUREMENT ENGINE FOR ALIGNING MULTI-PROJECTOR DISPLAY SYSTEMS (AS ISSUED)         |
| 7,023,673 | 10/328,324 | 23-Dec-2002 | IN-02-033 | SUPERCONDUCTING SHIELDED CORE REACTOR WITH REDUCED AC LOSSES (AS ISSUED)                        |
| 7,026,074 | 10/077,569 | 15-Feb-2002 | IN-01-023 | LITHIUM ION BATTERY WITH IMPROVED SAFETY (AS ISSUED)                                            |
| 7,038,727 | 10/283,991 | 30-Oct-2002 | IN-02-053 | METHOD TO SMOOTH PHOTOMETRIC VARIATIONS ACROSS MULTI-PROJECTOR DISPLAYS (AS ISSUED)             |
| 7,041,414 | 10/338,175 | 07-Jan-2003 | IN-01-013 | SILVER MANGANESE OXIDE ELECTRODES FOR LITHIUM BATTERIES (AS ISSUED)                             |
| 7,042,036 | 10/912,708 | 05-Aug-2004 | IN-03-152 | MAGNETIC MEMORY USING SINGLE DOMAIN SWITCHING BY DIRECT CURRENT (AS ISSUED)                     |
| 7,049,031 | 10/353,385 | 28-Jan-2003 | IN-99-103 | PROTECTIVE COATING ON POSITIVE LITHIUM-METAL OXIDE ELECTRODES FOR LITHIUM BATTERIES (AS ISSUED) |

|           |            |             |           |                                                                                                                                                       |
|-----------|------------|-------------|-----------|-------------------------------------------------------------------------------------------------------------------------------------------------------|
| 7,049,073 | 10/283,670 | 30-Oct-2002 | IN-01-105 | DOUBLE-STRANDED NUCLEIC ACID BIOCHIPS (AS ISSUED)                                                                                                     |
| 7,073,513 | 10/445,681 | 27-May-2003 | IN-02-077 | SUPERCONDUCTING MAGNETIC CONTROL SYSTEM FOR MANIPULATION OF PARTICULATE MATTER AND MAGNETIC PROBES IN MEDICAL AND INDUSTRIAL APPLICATIONS (AS ISSUED) |
| 7,077,983 | 10/334,880 | 31-Dec-2002 | IN-01-097 | POLYMER NANOCOMPOSITES FOR LITHIUM BATTERY APPLICATIONS (AS ISSUED)                                                                                   |
| 7,081,483 | 10/452,818 | 02-Jun-2003 | IN-00-044 | POLYFUNCTIONAL DISPERSANTS FOR CONTROLLING VISCOSITY OF PHYLLOSILICATES (AS ISSUED)                                                                   |
| 7,083,672 | 10/913,185 | 06-Aug-2004 | IN-01-018 | METHOD AND PRODUCT FOR PHOSPHOSILICATE SLURRY FOR USE IN DENTISTRY AND RELATED BONE CEMENTS (AS ISSUED)                                               |
| 7,087,211 | 10/669,832 | 24-Sep-2003 | IN-03-018 | HYDROGEN PRODUCTION BY HIGH TEMPERATURE WATER SPLITTING USING ELECTRON CONDUCTING MEMBRANES (AS ISSUED)                                               |
| D413,678  | 29/066,569 | 14-Feb-1997 | IN-95-112 | SOLID LIQUID EXTRACTOR (AS ISSUED)                                                                                                                    |

**ATTACHMENT B**  
**U.S. Non-Provisional Patent Applications**

| App. No.   | Filing Date | File      | Title                                                                                                                                      |
|------------|-------------|-----------|--------------------------------------------------------------------------------------------------------------------------------------------|
| 09/368,989 | 05-Aug-1999 | IN-98-026 | DEVICE FOR DETECTING MOLECULES, METHOD FOR DETECTING MOLECULES (AS FILED)                                                                  |
| 09/790,851 | 22-Feb-2001 | IN-00-065 | EMERGENCY RESPONSE SYNCHRONIZATION MATRIX (AS FILED)                                                                                       |
| 09/791,422 | 23-Feb-2001 | IN-99-079 | RADIATION SHIELDING PHOSPHATE BONDED CERAMICS USING ENRICHED ISOTROPIC BORON COMPOUNDS (AS FILED)                                          |
| 09/943,966 | 31-Aug-2001 | IN-00-120 | SYNTHESIS OF INTERMETALLIC NEGATIVE ELECTRODES FOR LITHIUM CELLS AND BATTERIES (AS FILED)                                                  |
| 10/057,753 | 23-Jan-2002 | IN-98-093 | METHOD OF LABELING DNA AND RNA (AS FILED)                                                                                                  |
| 10/068,474 | 05-Feb-2002 | IN-98-042 | GEL SUBSTRATES FOR MICROARRAYS SUITABLE FOR MACROMOLECULAR IMMOBILIZATION AND ASSAY (AS FILED)                                             |
| 10/167,917 | 12-Jun-2002 | IN-02-014 | SOLID OXIDE FUEL CELL WITH IMPROVED MECHANICAL AND ELECTRICAL PROPERTIES (AS FILED)                                                        |
| 10/212,476 | 05-Aug-2002 | IN-96-50b | CUSTOMIZED OLIGONUCLEOTIDE MICROCHIPS THAT CONVERT MULTIPLE GENETIC INFORMATION TO SIMPLER PATTERNS, ARE PORTABLE AND REUSABLE (AS ISSUED) |
| 10/275,537 | 19-Jul-2002 | IN-99-039 | METHOD FOR FABRICATING CERAMIC COMPOSITES (AS ISSUED)                                                                                      |
| 10/287,455 | 04-Nov-2002 | IN-99-088 | DISCRIMINATION OF BACILLUS ANTHRACIS AND CLOSELY RELATED MICROORGANISMS BY ANALYSIS OF 16S AND 23S RRNA WITH OLIGONUCLEOTIDE MICROCHIPS    |
| 10/315,904 | 10-Dec-2002 | IN-01-142 | HIGH CATION TRANSPORT POLYMER ELECTROLYTE (AS FILED)                                                                                       |
| 10/337,966 | 06-Jan-2003 | IN-01-107 | HARD AND LOW FRICTION NITRIDE COATINGS AND METHODS FOR FORMING THE SAME (AS FILED)                                                         |
| 10/338,507 | 07-Jan-2003 | IN-00-032 | ELECTRODE FOR A LITHIUM CELL (AS FILED)                                                                                                    |
| 10/351,826 | 27-Jan-2003 | IN-02-091 | HIGH-DIELECTRIC CONSTANT ALLOY FOR NEW GENERATION OF INTEGRATED CIRCUIT GATE OXIDE AND MAGNETIC MULTILAYER MEMORIES (AS FILED)             |
| 10/354,929 | 30-Jan-2003 | IN-05-096 | ION EXCHANGE MATERIALS FOR USE IN A 213Bi GENERATOR (AS FILED)                                                                             |
| 10/365,286 | 12-Feb-2003 | IN-02-010 | LAYERED ELECTRODES FOR LITHIUM CELLS AND BATTERIES (AS FILED)                                                                              |
| 10/371,214 | 20-Feb-2003 | IN-01-119 | COATINGS AND FILMS DERIVED FROM CLAY/WAX NANOCOMPOSITES (AS FILED)                                                                         |
| 10/384,344 | 07-Mar-2003 | IN-00-116 | NOVEL CATALYSTS FOR SELECTIVE NOX REDUCTION USING HYDROCARBONS (AS FILED)                                                                  |

|            |             |           |                                                                                                                                         |
|------------|-------------|-----------|-----------------------------------------------------------------------------------------------------------------------------------------|
| 10/398,329 | 09-Oct-2001 | IN-97-012 | NANOCRYSTALLINE DIAMOND FILM ELECTRODES                                                                                                 |
| 10/428,348 | 02-May-2003 | IN-02-030 | PREPARATION OF ORGANOPHYLLOSILICATE NANOCOMPOSITE COMPOSITIONS (AS FILED)                                                               |
| 10/439,744 | 16-May-2003 | IN-03-016 | FUEL PROCESSOR FOR PRODUCING HYDROGEN FROM HYDROCARBON FUELS (AS FILED)                                                                 |
| 10/449,287 | 30-May-2003 | IN-02-003 | ENHANCED PHOTOPHYSICS OF CONJUGATED POLYMERS (AS FILED)                                                                                 |
| 10/532,556 | 22-Apr-2005 | IN-02-035 | IMPROVED METALWORKING AND MACHINING FLUIDS (AS FILED)                                                                                   |
| 10/547,100 | 26-Aug-2005 | IN-03-017 | ALUMINUM PHOSPHATE CERAMICS FOR WASTE STORAGE (AS FILED)                                                                                |
| 10/547,445 | 26-Aug-2005 | IN-03-080 | METHOD OF WASTE STABILIZATION WITH DEWATERED CHEMICALLY BONDED PHOSPHATE CERAMICS (AS FILED)                                            |
| 10/609,907 | 30-Jun-2003 | IN-00-079 | POLYMER-PHYLLOSILICATE NANOCOMPOSITES AND THEIR PREPARATION (AS FILED)                                                                  |
| 10/619,284 | 14-Jul-2003 | IN-01-052 | BIOCHIP READER WITH ENHANCED ILLUMINATION AND BIOARRAY POSITIONING APPARATUS (AS ISSUED)                                                |
| 10/637,127 | 08-Aug-2003 | IN-02-083 | RESONANCE-ENHANCED DIELECTRIC SENSING OF CHEMICAL AND BIOLOGICAL SPECIES (AS FILED)                                                     |
| 10/642,768 | 18-Aug-2003 | IN-02-042 | METHOD FOR FABRICATION OF BIOCHIPS WITH A MACROPOROUS SUBSTRATE (AS FILED)                                                              |
| 10/647,423 | 25-Aug-2003 | IN-99-088 | DISCRIMINATION OF BACILLUS ANTHRACIS AND CLOSELY RELATED MICROORGANISMS BY ANALYSIS OF 16S AND 23S RRNA WITH OLIGONUCLEOTIDE MICROCHIPS |
| 10/688,004 | 17-Oct-2003 | IN-00-063 | LITHIUM-METAL-OXIDE ELECTRODES FOR LITHIUM CELLS AND BATTERIES (AS ISSUED)                                                              |
| 10/699,484 | 31-Oct-2003 | IN-02-074 | LAYERED CATHODE MATERIALS FOR LITHIUM ION RECHARGEABLE BATTERIES (AS FILED)                                                             |
| 10/702,419 | 05-Nov-2003 | IN-02-006 | PROCESS FOR ELECTROLYTIC PRODUCTION OF ALUMINUM (AS FILED)                                                                              |
| 10/702,798 | 05-Nov-2003 | IN-02-057 | IMMOBILIZED BIOCATALYTIC ENZYMES IN ELECTRODEIONIZATION (AS FILED)                                                                      |
| 10/716,331 | 18-Nov-2003 | IN-03-008 | IMPROVED IRON-BASED PEROVSKITE CATHODES FOR SOLID OXIDE FUEL CELLS (AS FILED)                                                           |
| 10/738,400 | 17-Dec-2003 | IN-02-080 | LITHIUM BASED ELECTROCHEMICAL CELL SYSTEMS (AS FILED)                                                                                   |
| 10/741,248 | 18-Dec-2003 | IN-02-096 | IMPROVED ANODE MATERIAL FOR LITHIUM BATTERIES (AS FILED)                                                                                |
| 10/746,211 | 23-Dec-2003 | IN-03-006 | ELECTRODES FOR LITHIUM BATTERIES (AS FILED)                                                                                             |
| 10/780,348 | 17-Feb-2004 | IN-03-002 | METHOD FOR FAST START OF A FUEL PROCESSOR (AS FILED)                                                                                    |
| 10/782,278 | 18-Feb-2004 | IN-01-120 | CERAMICRETE STABILIZATION OF U- AND PU-BEARING MATERIALS (AS FILED)                                                                     |
| 10/789,219 | 27-Feb-2004 | IN-00-030 | METHOD FOR GENERATING HYDROGEN FOR FUEL CELLS (AS ISSUED)                                                                               |

|            |             |           |                                                                                                                                                                                                 |
|------------|-------------|-----------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 10/794,231 | 05-Mar-2004 | IN-02-067 | SINGLE STAGE SEPARATION AND ESTERIFICATION OF CATION SALT CARBOXYLATES USING ELECTRODEIONIZATION (AS FILED)                                                                                     |
| 10/794,381 | 05-Mar-2004 | IN-02-050 | DUAL PHASE MULTIPLEX POLYMERASE CHAIN REACTION (AS FILED)                                                                                                                                       |
| 10/799,181 | 12-Mar-2004 | IN-02-066 | ATOMIC LAYER DEPOSITION FOR HIGH TEMPERATURE SUPERCONDUCTOR MATERIAL SYNTHESIS (AS FILED)                                                                                                       |
| 10/800,292 | 12-Mar-2004 | IN-02-081 | LAYERED Li <sub>1+x</sub> Ni <sub>a</sub> Mn <sub>b</sub> A <sub>y</sub> O <sub>2</sub> CATHODE MATERIALS FOR Li-ION RECHARGEABLE BATTERIES AND THE METHOD OF MANUFACTURING THE SAME (AS FILED) |
| 10/803,280 | 18-Mar-2004 | IN-03-075 | METHODS AND COMPOSITIONS FOR SYNTHESIS OF 3' AMINOLINKERS (AS FILED)                                                                                                                            |
| 10/807,599 | 24-Mar-2004 | IN-02-072 | ROBOT BASED AUTOMATION SYSTEM FOR CRYOGENIC SAMPLE MOUNTING (AS FILED)                                                                                                                          |
| 10/814,210 | 31-Mar-2004 | IN-03-124 | HYDROGEN TRANSPORT MEMBRANES FOR DEHYDROGENATION REACTIONS (AS FILED)                                                                                                                           |
| 10/823,509 | 12-Apr-2004 | IN-00-033 | DOPA AND DOPAMINE MODIFICATION OF METAL OXIDE SEMICONDUCTORS, METHOD FOR ATTACHING BIOLOGICAL MOLECULES TO SEMICONDUCTORS (AS ISSUED)                                                           |
| 10/824,741 | 15-Apr-2004 | IN-02-005 | ELECTRODIALYSIS OPERATION WITH BUFFER SOLUTION (AS FILED)                                                                                                                                       |
| 10/825,572 | 15-Apr-2004 | IN-03-142 | AUTOMATED AGENT-BASED METHOD FOR IDENTIFYING INFRASTRUCTURE INTERDEPENDENCIES (AS PUBLISHED)                                                                                                    |
| 10/825,931 | 15-Apr-2004 | IN-03-019 | LITHIUM METAL OXIDE ELECTRODES FOR LITHIUM BATTERIES (AS FILED)                                                                                                                                 |
| 10/827,114 | 19-Apr-2004 | IN-02-043 | HEAT TRANSFER PROBE (AS FILED)                                                                                                                                                                  |
| 10/832,753 | 27-Apr-2004 | IN-03-133 | AUTOHERMAL REFORMING CATALYST WITH PEROVSKITE STRUCTURE (AS FILED)                                                                                                                              |
| 10/841,731 | 08-May-2004 | IN-02-031 | METHOD FOR PRODUCING FUNCTIONALLY GRADED NANOCRYSTALLINE LAYER ON METAL SURFACE (AS FILED)                                                                                                      |
| 10/845,867 | 13-May-2004 | IN-03-035 | METHOD TO GROW CARBON THIN FILMS CONSISTING ENTIRELY OF DIAMOND GRAINS 3-5 NM IN SIZE AND HIGH-ENERGY GRAIN BOUNDARIES (AS FILED)                                                               |
| 10/857,365 | 28-May-2004 | IN-03-047 | LONG LIFE LITHIUM BATTERIES WITH STABILIZED ELECTRODES (AS FILED)                                                                                                                               |
| 10/858,806 | 02-Jun-2004 | IN-03-045 | NICKEL-TITANIUM-PHOSPHATE CATHODES (AS FILED)                                                                                                                                                   |
| 10/859,259 | 02-Jun-2004 | IN-02-009 | PROCESS FOR PRODUCTION AND PURIFICATION OF FERMENTATION DERIVED ORGANIC ACIDS (AS FILED)                                                                                                        |
| 10/863,617 | 08-Jun-2004 | IN-00-081 | LIQUID CRYSTALLINE COMPOSITES CONTAINING PHYLLOSILICATES (AS ISSUED)                                                                                                                            |
| 10/865,651 | 10-Jun-2004 | IN-04-003 | OPTICAL APPARATUS FOR LASER SCATTERING BY OBJECTS HAVING COMPLEX SHAPES (AS FILED)                                                                                                              |
| 10/866,963 | 14-Jun-2004 | IN-03-156 | METHOD AND APPARATUS FOR SEPARATING MIXED PLASTICS USING FLOTATION TECHNIQUES (AS FILED)                                                                                                        |

|            |             |           |                                                                                                                                                                                                                                 |
|------------|-------------|-----------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 10/868,062 | 15-Jun-2004 | IN-03-078 | COMPOSITION AND APPLICATION OF NOVEL SPRAYABLE PHOSPHATE CEMENT (GRANCRETE) THAT BONDS TO STYROFOAM (AS FILED)                                                                                                                  |
| 10/874,774 | 23-Jun-2004 | IN-03-024 | POLYOLEFIN NANOCOMPOSITES (AS FILED)                                                                                                                                                                                            |
| 10/892,736 | 15-Jul-2004 | IN-02-055 | A METHOD TO GROW PURE NANOCRYSTALLINE DIAMOND FILMS AT LOW TEMPERATURES AND HIGH DEPOSITION RATES (AS FILED)                                                                                                                    |
| 10/903,514 | 30-Jul-2004 | IN-02-074 | LAYERED CATHODE MATERIALS FOR LITHIUM ION RECHARGEABLE BATTERIES (AS FILED)                                                                                                                                                     |
| 10/903,705 | 30-Jul-2004 | IN-99-060 | METHOD TO IMPROVE LUBRICITY OF LOW SULFUR DIESEL AND GASOLINE FUELS (AS ISSUED)                                                                                                                                                 |
| 10/940,467 | 14-Sep-2004 | IN-01-059 | LASER BASED IGNITION SYSTEM FOR NATURAL GAS RECIPROCATING ENGINES, LASER BASED IGNITION SYSTEM HAVING CAPABILITY TO DETECT SUCCESSFUL IGNITION EVENT; AND DISTRIBUTOR SYSTEM FOR USE WITH HIGH-POWERED PULSED LASERS (AS FILED) |
| 10/941,592 | 14-Sep-2004 | IN-03-105 | PERMAFROST CERAMICRETE (AS FILED)                                                                                                                                                                                               |
| 10/941,800 | 14-Sep-2004 | IN-03-055 | CATALYTIC NANOPOROUS MEMBRANES (AS FILED)                                                                                                                                                                                       |
| 10/945,834 | 21-Sep-2004 | IN-03-081 | OMEGA-AMINO PHOSPHORAMIDITES AND PHOSPHATE CONJUGATES THEREOF (AS FILED)                                                                                                                                                        |
| 10/951,558 | 28-Sep-2004 | IN-00-012 | PACKAGING FOR PRIMARY AND SECONDARY BATTERIES (AS FILED)                                                                                                                                                                        |
| 10/969,667 | 20-Oct-2004 | IN-05-091 | RELIABLE DISK DRIVE AND METHOD (AS FILED)                                                                                                                                                                                       |
| 10/971,507 | 21-Oct-2004 | IN-03-108 | ELECTROCHEMICAL DEVICE HAVING ELECTROLYTE INCLUDING DISILOXANE (AS FILED)                                                                                                                                                       |
| 10/971,913 | 21-Oct-2004 | IN-03-108 | ELECTROCHEMICAL DEVICE HAVING ELECTROLYTE INCLUDING DISILOXANE (AS FILED)                                                                                                                                                       |
| 10/971,926 | 21-Oct-2004 | IN-03-108 | ELECTROCHEMICAL DEVICE HAVING ELECTROLYTE INCLUDING DISILOXANE (AS FILED)                                                                                                                                                       |
| 10/980,507 | 03-Nov-2004 | IN-02-085 | PATTERN TRANSFER WITH SELF-SIMILAR SACRIFICIAL MASK LAYER AND VECTOR MAGNETIC FIELD SENSOR (AS FILED)                                                                                                                           |
| 10/993,642 | 19-Nov-2004 | IN-04-007 | RETENTION OF COUNTERIONS IN A SEPARATIVE BIOREACTOR (AS FILED)                                                                                                                                                                  |
| 11/001,193 | 01-Dec-2004 | IN-04-077 | ULTRAFAST AND ULTRASENSITIVE HYDROGEN SENSORS BASED ON SELF-ASSEMBLY MONOLAYER PROMOTED 2-DIMENSIONAL PALLADIUM NANoclUSTERS (AS FILED)                                                                                         |
| 11/040,914 | 21-Jan-2005 | IN-04-058 | SINGLE METAL NANOPARTICLE SCATTERING INTERFEROMETER (AS FILED)                                                                                                                                                                  |
| 11/056,866 | 10-Feb-2005 | IN-03-108 | ELECTROCHEMICAL DEVICE HAVING ELECTROLYTE INCLUDING DISILOXANE (AS FILED)                                                                                                                                                       |
| 11/056,867 | 10-Feb-2005 | IN-03-108 | ELECTROCHEMICAL DEVICE HAVING ELECTROLYTE INCLUDING DISILOXANE (AS FILED)                                                                                                                                                       |
| 11/056,868 | 10-Feb-2005 | IN-03-108 | ELECTROCHEMICAL DEVICE HAVING ELECTROLYTE INCLUDING DISILOXANE (AS FILED)                                                                                                                                                       |

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|------------|-------------|-----------|--------------------------------------------------------------------------------------------------------------------------------------------|
| 11/057,790 | 14-Feb-2005 | IN-04-076 | MANGANESE OXIDE ELECTRODES FOR LITHIUM BATTERIES (AS FILED)                                                                                |
| 11/066,791 | 25-Feb-2005 | IN-04-090 | SYNTHESIS OF 3-, OR 5- OR INTERNAL METHACRYLAMIDO-MODIFIED OLIGONUCLEOTIDES (AS FILED)                                                     |
| 11/073,263 | 03-Mar-2005 | IN-03-013 | LAYERED CU-BASED ELECTRODE FOR HIGH DIELECTRIC CONSTANT OXIDE THIN FILM BASED DEVICES (AS FILED)                                           |
| 11/082,468 | 17-Mar-2005 | IN-04-070 | ELECTRONICALLY AND IONICALLY CONDUCTIVE POROUS MATERIAL AND METHOD FOR MANUFACTURE OF RESIN WAFERS THEREFROM (AS FILED)                    |
| 11/082,469 | 17-Mar-2005 | IN-04-70b | DEVICES USING RESIN WAFERS AND APPLICATIONS THEREOF (AS FILED)                                                                             |
| 11/084,940 | 21-Mar-2005 | IN-01-110 | THREE-ELECTRODE METAL OXIDE REDUCTION CELL (AS ISSUED)                                                                                     |
| 11/088,606 | 23-Mar-2005 | IN-01-098 | DETERMINATION OF THE HYDROGEN STORAGE CAPACITY OF NOVEL SEPIOLATE-DERIVED CARBONACEOUS MATERIALS (AS FILED)                                |
| 11/097,603 | 01-Apr-2005 | IN-03-054 | SYNTHESIS OF A SELF ASSEMBLED HYBRID OF ULTRANANOCRYSTALLINE DIAMOND AND CARBON NANOTUBES (AS FILED)                                       |
| 11/104,894 | 13-Apr-2005 | IN-04-088 | EJECTOR/INJECTOR TOOL FOR USE WITH CONE PENETROMETER (AS FILED)                                                                            |
| 11/113,739 | 25-Apr-2005 | IN-03-001 | CATALYTIC MEMBRANES FOR CO OXIDATION USED IN FUEL CELLS (AS FILED)                                                                         |
| 11/113,826 | 25-Apr-2005 | IN-03-049 | MAGNETIC NANOPARTICLES FOR BIO-MEDICAL APPLICATIONS (AS FILED)                                                                             |
| 11/121,425 | 04-May-2005 | IN-03-093 | THERMALLY-STABLE SURFACTANTS AND COMPOSITIONS AND METHODS AND USE THEREOF (AS FILED)                                                       |
| 11/123,602 | 06-May-2005 | IN-04-043 | HERMETIC, BIO-INERT COATINGS FOR BIO-IMPLANTS FABRICATED USING ATOMIC LAYER DEPOSITION (AS FILED)                                          |
| 11/135,101 | 23-May-2005 | IN-04-030 | METHODS FOR FABRICATING LITHIUM RECHARGEABLE BATTERIES (AS FILED)                                                                          |
| 11/143,417 | 02-Jun-2005 | IN-04-066 | HIGH POWER, LONG FOCUS ELECTRON SOURCE FOR BEAM PROCESSING (AS FILED)                                                                      |
| 11/143,837 | 02-Jun-2005 | IN-04-067 | LAPAROSCOPIC TUMOR THERAPY USING HIGH ENERGY ELECTRON IRRADIATION (AS FILED)                                                               |
| 11/149,901 | 10-Jun-2005 | IN-96-50b | CUSTOMIZED OLIGONUCLEOTIDE MICROCHIPS THAT CONVERT MULTIPLE GENETIC INFORMATION TO SIMPLER PATTERNS, ARE PORTABLE AND REUSABLE (AS ISSUED) |
| 11/153,815 | 15-Jun-2005 | IN-02-060 | COMPACT SYSTEM AND METHOD FOR THE PRODUCTION OF LONG-WAVELENGTH, ELECTROMAGNETIC RADIATION EXTENDING OVER THE TERAHERTZ REGIME (AS FILED)  |
| 11/167,067 | 24-Jun-2005 | IN-03-139 | NANOSTRUCTURES SYNTHESIZED BY USING ANODIC ALUMINUM OXIDE (AS FILED)                                                                       |
| 11/182,567 | 15-Jul-2005 | IN-05-001 | SYNCHRONIZATION MATRIX PROCESS FOR TOTAL EMERGENCY MANAGEMENT (AS FILED)                                                                   |

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|------------|-------------|-----------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 11/190,784 | 27-Jul-2005 | IN-03-147 | METHOD FOR DETECTION AND IMAGING OVER A BROAD SPECTRAL RANGE (AS FILED)                                                                                                          |
| 11/196,366 | 03-Aug-2005 | IN-04-062 | A VECTOR FOR IMPROVED IN VIVO PRODUCTION OF PROTEINS (AS FILED)                                                                                                                  |
| 11/204,331 | 15-Aug-2005 | IN-01-094 | CONSTRUCTION MATERIAL AND METHOD (AS ISSUED)                                                                                                                                     |
| 11/204,332 | 15-Aug-2005 | IN-01-094 | CONSTRUCTION MATERIAL AND METHOD (AS ISSUED)                                                                                                                                     |
| 11/204,512 | 16-Aug-2005 | IN-04-076 | MANGANESE OXIDE ELECTRODES FOR LITHIUM BATTERIES (AS FILED)                                                                                                                      |
| 11/207,379 | 19-Aug-2005 | IN-04-094 | MONOLITHIC INTEGRATED PASSIVE AND ACTIVE ELECTRONIC DEVICES WITH BIOCOMPATIBLE COATINGS (AS FILED)                                                                               |
| 11/211,135 | 24-Aug-2005 | IN-04-073 | SILVER VANADIUM OXIDE-FLUORIDE MATERIAL USEFUL AS A BATTERY CATHODE (AS FILED)                                                                                                   |
| 11/212,087 | 24-Aug-2005 | IN-02-045 | CHEMICALLY BONDED PHOSPHATE CERAMIC SEALANT FORMULATIONS FOR OIL FIELD APPLICATIONS (AS FILED)                                                                                   |
| 11/226,703 | 13-Sep-2005 | IN-03-117 | ALL DIAMOND SELF-ALIGNED THIN FILM TRANSISTOR (AS FILED)                                                                                                                         |
| 11/228,064 | 16-Sep-2005 | IN-04-105 | HIGH TEMPERATURE POTENTIOMETRIC OXYGEN SENSOR WITH INTERNAL REFERENCE (AS FILED)                                                                                                 |
| 11/230,281 | 19-Sep-2005 | IN-04-112 | BROADBAND SURFACE PLASMON JETS: DIRECT OBSERVATION OF PLASMON PROPAGATION FOR APPLICATION TO SENSORS AND OPTICAL COMMUNICATIONS IN MICROSCALE AND NANOSCALE CIRCUITRY (AS FILED) |
| 11/233,913 | 23-Sep-2005 | IN-98-026 | DEVICE FOR DETECTING MOLECULES, METHOD FOR DETECTING MOLECULES (AS FILED)                                                                                                        |
| 11/237,365 | 28-Sep-2005 | IN-03-032 | METHOD OF DECONTAMINATING A POROUS SURFACE CONTAMINATED WITH CESIUM (AS FILED)                                                                                                   |
| 11/238,196 | 29-Sep-2005 | IN-05-007 | OPTOMECHANICAL STRUCTURE FOR A MULTIFUNCTIONAL HARD X-RAY NANOPROBE INSTRUMENT (AS FILED)                                                                                        |
| 11/248,661 | 11-Oct-2005 | IN-04-039 | FIELD EMISSION CATHODE GATING FOR RF ELECTRON GUNS AND PLANAR FOCUSING CATHODES (AS ISSUED)                                                                                      |
| 11/267,056 | 04-Nov-2005 | IN-04-074 | MULTI-RADIATION LARGE AREA DETECTOR (AS FILED)                                                                                                                                   |
| 11/271,462 | 10-Nov-2005 | IN-00-063 | LITHIUM-METAL-OXIDE ELECTRODES FOR LITHIUM CELLS AND BATTERIES (AS ISSUED)                                                                                                       |
| 11/291,254 | 01-Dec-2005 | IN-01-033 | IMPROVED PROTON CONDUCTING MEMBRANE FOR FUEL CELLS (AS ISSUED)                                                                                                                   |
| 11/297,120 | 08-Dec-2005 | IN-04-098 | LONG LIFE LITHIUM BATTERIES WITH STABILIZED ELECTRODES (AS FILED)                                                                                                                |
| 11/302,419 | 12-Dec-2005 | IN-01-019 | JOINING OF ADVANCED MATERIALS BY PLASTIC DEFORMATION (AS ISSUED)                                                                                                                 |
| 11/329,937 | 11-Jan-2006 | IN-03-123 | METHOD FOR FABRICATION OF HIGH TEMPERATURE SUPERCONDUCTORS (AS ISSUED)                                                                                                           |
| 11/338,902 | 24-Jan-2006 | IN-04-089 | LONG LIFE LITHIUM BATTERIES WITH STABILIZED ELECTRODES (AS FILED)                                                                                                                |

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|------------|-------------|-----------|-----------------------------------------------------------------------------------------------------------------------------------------------|
| 11/345,947 | 02-Feb-2006 | IN-05-092 | LITHIUM-ION BATTERIES WITH INTRINSIC PULSE OVERCHARGE PROTECTION (AS FILED)                                                                   |
| 11/350,005 | 08-Feb-2006 | IN-03-035 | METHOD TO GROW CARBON THIN FILMS CONSISTING ENTIRELY OF DIAMOND GRAINS 3-5 NM IN SIZE AND HIGH-ENERGY GRAIN BOUNDARIES (AS FILED)             |
| 11/353,286 | 09-Feb-2006 | IN-01-070 | WATER AND/OR ALCOHOL WATER SECONDARY INJECTION SYSTEM FOR DIESEL ENGINES (AS FILED)                                                           |
| 11/362,484 | 24-Feb-2006 | IN-05-014 | AUTOMATED MULTICOLOR FLUORESCENT MICROSCOPE WITH SCANNING AND THERMOSTATIC ABILITY (AS FILED)                                                 |
| 11/366,891 | 01-Mar-2006 | IN-05-012 | NOVEL REDOX SHUTTLES FOR OVERCHARGE PROTECTION OF LITHIUM BATTERIES (AS FILED)                                                                |
| 11/368,116 | 03-Mar-2006 | IN-05-020 | METHOD OF FABRICATING ELECTRODE CATALYST LAYERS WITH DIRECTIONALLY ORIENTED CARBON SUPPORT FOR PROTON EXCHANGE MEMBRANE FUEL CELLS (AS FILED) |
| 11/368,120 | 03-Mar-2006 | IN-05-038 | ALIGNED CARBON NANOTUBE WITH ELECTRO-CATALYTIC ACTIVITY FOR OXYGEN REDUCTION REACTION (AS FILED)                                              |
| 11/373,054 | 10-Mar-2006 | IN-04-114 | NON-AQUEOUS ELECTROLYTE FOR LITHIUM ION BATTERIES (AS FILED)                                                                                  |
| 11/374,849 | 14-Mar-2006 | IN-05-034 | SURFACE MODIFICATION TO IMPROVE FIRESIDE CORROSION RESISTANCE OF FE-CR FERRITIC STEELS (AS FILED)                                             |
| 11/378,145 | 16-Mar-2006 | IN-03-019 | LITHIUM METAL OXIDE ELECTRODES FOR LITHIUM BATTERIES (AS FILED)                                                                               |
| 11/384,792 | 20-Mar-2006 | IN-04-085 | NANOSIZED BIOLOGICAL CONTAINER AND MANUFACTURE THEREOF (AS FILED)                                                                             |
| 11/388,636 | 24-Mar-2006 | IN-05-078 | NOVEL ULTRANANOCRYSTALLINE DIAMOND PROBES FOR HIGH-RESOLUTION LOW-WEAR NANOLITHOGRAPHIC TECHNIQUES (AS FILED)                                 |
| 11/393,603 | 30-Mar-2006 | IN-05-035 | EFFICIENT PROCESS FOR MAKING TACKIFIERS AND ADHESIVES (AS FILED)                                                                              |
| 11/399,034 | 05-Apr-2006 | IN-03-077 | COVALENT ATTACHMENT OF BIOMOLECULES TO SOLID SUPPORTS BY A POLYMERIZATION METHOD (AS FILED)                                                   |
| 11/404,697 | 14-Apr-2006 | IN-04-10a | METHODS OF USING A LASER TO PERFORATE COMPOSITE STRUCTURES OF STEEL CASING, CEMENT AND ROCKS (AS FILED)                                       |
| 11/404,698 | 14-Apr-2006 | IN-04-10a | METHODS OF USING A LASER TO PERFORATE COMPOSITE STRUCTURES OF STEEL CASING, CEMENT AND ROCKS (AS FILED)                                       |
| 11/404,794 | 13-Apr-2006 | IN-01-097 | POLYMER NANOCOMPOSITES FOR LITHIUM BATTERY APPLICATIONS (AS ISSUED)                                                                           |
| 11/406,097 | 18-Apr-2006 | IN-04-095 | BIPOLAR PLATE SUPPORTED SOLID OXIDE FUEL CELL WITH A SEALED ANODE COMPARTMENT (AS FILED)                                                      |
| 11/407,711 | 20-Apr-2006 | IN-06-001 | PASSIVE MILLIMETER WAVE SPECTROMETER FOR REMOTE DETECTION OF CHEMICAL PLUMES (AS FILED)                                                       |
| 11/410,757 | 25-Apr-2006 | IN-05-004 | PROCESSES FOR MAKING DENSE, SPHERICAL ACTIVE MATERIALS FOR LITHIUM-ION CELLS (AS FILED)                                                       |
| 11/413,698 | 28-Apr-2006 | IN-05-128 | TRACKING OF MOVING RADIOACTIVE SOURCES (AS FILED)                                                                                             |

|            |             |           |                                                                                                                                            |
|------------|-------------|-----------|--------------------------------------------------------------------------------------------------------------------------------------------|
| 11/418,954 | 05-May-2006 | IN-05-090 | METHOD FOR FABRICATING DENSE THIN FILM CERMET HYDROGEN SEPARATION MEMBRANE (AS FILED)                                                      |
| 11/418,955 | 05-May-2006 | IN-05-026 | METHOD FOR FABRICATING A HYDROGEN SEPARATION MEMBRANE ON A POROUS SUBSTRATE (AS FILED)                                                     |
| 11/418,957 | 05-May-2006 | IN-05-021 | THERMAL METHOD FOR FABRICATING A HYDROGEN SEPARATION MEMBRANE ON A POROUS SUBSTRATE (AS FILED)                                             |
| 11/425,667 | 21-Jun-2006 | IN-05-030 | PREPARATION OF PLASTIC SUPPORTS FOR BIOCHIPS (AS FILED)                                                                                    |
| 11/429,016 | 03-May-2006 | IN-05-088 | USE OF TUNGSTEN INTERLAYER TO ENHANCE THE INITIAL NUCLEATION AND CONFORMALITY OF ULTRANANOCRYSTALLINE DIAMOND (UNCD) THIN FILMS (AS FILED) |
| 11/438,180 | 22-May-2006 | IN-05-006 | BIO-INORGANIC CONJUGATES (AS FILED)                                                                                                        |
| 11/443,566 | 31-May-2006 | IN-04-113 | NICKEL-BASED ALLOYS TO PREVENT METAL DUSTING DEGRADATION (AS FILED)                                                                        |
| 11/443,714 | 31-May-2006 | IN-05-052 | INTEGRATED ELECTRON BEAM TIP AND SAMPLE HEATING DEVICE FOR A SCANNING TUNNELING MICROSCOPE (AS FILED)                                      |
| 11/443,955 | 31-May-2006 | IN-05-036 | SEMICONDUCTOR-BASED DETECTION AND DECONTAMINATION SYSTEM (AS FILED)                                                                        |
| 11/444,219 | 31-May-2006 | IN-05-112 | ELECTRODE MATERIALS AND LITHIUM BATTERY SYSTEMS (AS FILED)                                                                                 |
| 11/444,241 | 31-May-2006 | IN-05-126 | MODULAR, MICRO-SCALE, OPTICAL ARRAY AND BIOTECTION SYSTEM (AS FILED)                                                                       |
| 11/444,242 | 31-May-2006 | IN-05-028 | COMBINATORIAL ELECTROCHEMICAL DEPOSITION SYSTEM (AS FILED)                                                                                 |
| 11/450,619 | 09-Jun-2006 | IN-03-120 | NITROGEN ENRICHED COMBUSTION OF A NATURAL GAS INTERNAL COMBUSTION ENGINE TO REDUCE NO <sub>x</sub> EMISSIONS (AS FILED)                    |
| 11/452,052 | 13-Jun-2006 | IN-05-121 | METHOD FOR ANALYZING MULTI-LAYER MATERIALS FROM ONE-SIDED PULSED THERMAL IMAGING (AS FILED)                                                |
| 11/452,156 | 13-Jun-2006 | IN-05-125 | OPTICAL FILTER FOR FLASH LAMPS IN PULSED THERMAL IMAGING (AS FILED)                                                                        |
| 11/454,724 | 16-Jun-2006 | IN-05-072 | LIGHT WEIGHT PHOSPHATE CEMENTS (AS FILED)                                                                                                  |
| 11/455,358 | 19-Jun-2006 | IN-06-026 | CATHODE MATERIAL FOR LITHIUM BATTERIES                                                                                                     |
| 11/466,717 | 23-Aug-2006 | IN-05-041 | METHOD TO IMPROVE QUALITY OF MICROARRAYS BY CONTROLLING EVAPORATION (AS FILED)                                                             |
| 11/479,797 | 30-Jun-2006 | IN-06-004 | HIGH RESOLUTION X-RAY AND GAMMA RAY IMAGING USING DIFFRACTION LENSES WITH MECHANICALLY BENT CRYSTALS (AS FILED)                            |
| 11/484,348 | 11-Jul-2006 | IN-04-103 | MOLECULE NANOWEAVER (AS FILED)                                                                                                             |
| 11/484,349 | 11-Jul-2006 | IN-04-103 | MOLECULE NANOWEAVER (AS FILED)                                                                                                             |

|            |             |           |                                                                                                                                                                                                                                                       |
|------------|-------------|-----------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 11/485,203 | 12-Jul-2006 | IN-05-040 | METHOD AND APPARATUS FOR IMPLEMENTING NON-DESTRUCTIVE QUALITY CONTROL OF SUBSTRATES AND PRINTED BIOLOGICAL MICROARRAYS, AND FOR IMPLEMENTING QUALITY CONTROL AND VISUALIZING GEL-BASED MICROARRAYS PREPARED BY DISPENSING GEL-FORMING COMPOSITION ... |
| 11/496,195 | 31-Jul-2006 | IN-05-062 | SURFACE ACOUSTIC WAVE PROBE IMPLANT FOR PREDICTING EPILEPTIC SEIZURES (AS FILED)                                                                                                                                                                      |

**ATTACHMENT C**  
**U.S. Provisional Patent Applications**

| App. No.   | Filing Date | File      | Title                                                                                                       |
|------------|-------------|-----------|-------------------------------------------------------------------------------------------------------------|
| 60/721,423 | 28-Sep-2005 | IN-05-031 | VERSATILE VECTORS FOR EXPRESSION OF FOREIGN PROTEINS IN PHOTOSYNTHETIC BACTERIA (AS FILED-PROV.)            |
| 60/721,911 | 29-Sep-2005 | IN-05-062 | SURFACE ACOUSTIC WAVE PROBE IMPLANT FOR PREDICTING EPILEPTIC SEIZURES (AS FILED)                            |
| 60/732,391 | 01-Nov-2005 | IN-05-093 | METHOD FOR THE INTERROGATION OF SEALED CONTAINERS, DEVICE FOR THE INTERROGATION OF SEALED CONTAINERS        |
| 60/735,075 | 09-Nov-2005 | IN-05-083 | METHOD TO SEAL REACTIVE MATERIALS UNDER VACUUM (AS FILED-PROV.)                                             |
| 60/740,467 | 28-Nov-2005 | IN-05-074 | POROUS ANODIC ALUMINUM OXIDE MEMBRANES FOR NANOFABRICATION (AS FILED-PROV.)                                 |
| 60/740,339 | 29-Nov-2005 | IN-03-119 | INTEGRATION OF DISSIMILAR MATERIALS FOR ADVANCED MULTIFUNCTIONAL DEVICES (AS FILED-PROV.)                   |
| 60/749,844 | 12-Dec-2005 | IN-05-087 | JOINING OF ADVANCED MATERIALS BY PLASTIC DEFORMATION (AS FILED-PROV.)                                       |
| 60/779,619 | 06-Mar-2006 | IN-05-116 | METHOD OF PREPARING SIZE-SELECTED METAL CLUSTERS (AS FILED-PROV.)                                           |
| 60/783,436 | 17-Mar-2006 | IN-05-108 | CREATION OF CONDUCTING NETWORK OF MAGNETIC PARTICLES THROUGH DYNAMIC SELF-ASSEMBLY PROCESS (AS FILED-PROV.) |
| 60/786,269 | 27-Mar-2006 | IN-05-066 | CREATION OF CONDUCTING NETWORK OF MAGNETIC PARTICLES THROUGH DYNAMIC SELF-ASSEMBLY PROCESS (AS FILED-PROV.) |
| 60/787,560 | 30-Mar-2006 | IN-05-118 | POLARIZED PULSED FRONT-END BEAM SOURCE FOR ELECTRON MICROSCOPE (AS FILED-PROV.)                             |
| 60/788,856 | 03-Apr-2006 | IN-05-043 | THERMAL NEUTRON TELESCOPE (AS FILED-PROV.)                                                                  |
| 60/793,176 | 19-Apr-2006 | IN-05-106 | GEL-FORMING REAGENTS AND USES THEREOF FOR PREPARING MICROARRAYS (AS FILED-PROV.)                            |
| 60/802,403 | 22-May-2006 | IN-06-031 | INTEGRATION OF METAL HYDRIDE HYDROGEN STORAGE SYSTEM WITH FUEL CELL SYSTEM (AS FILED-PROV.)                 |
| 60/802,899 | 23-May-2006 | IN-05-067 | BIOLOGICAL MICROARRAYS WITH ENHANCED SIGNAL YIELD (AS FILED-PROV.)                                          |
| 60/809,665 | 31-May-2006 | IN-05-073 | COMPOSITE ELECTRODE STRUCTURES FOR LITHIUM BATTERIES                                                        |
| 60/809,478 | 31-May-2006 | IN-06-033 | SURFACE STABILIZED ELECTRODES FOR LITHIUM BATTERIES (AS FILED-PROV.)                                        |
| 60/814,272 | 15-Jun-2006 | IN-05-113 | METHOD FOR RAPID SELF-START OF POLYMER ELECTROLYTE FUEL CELL STACKS (AS FILED-PROV.)                        |
| 60/817,940 | 30-Jun-2006 | IN-05-111 | UNIVERSAL VACCINE (AS FILED)                                                                                |
| 60/818,472 | 03-Jul-2006 | IN-05-107 | RF CAGE FIELD-CONFINEMENT CAVITY (AS FILED-PROV.)                                                           |

**ATTACHMENT D**  
**Foreign Patents and Patent Applications**

| Country | Number      | Date        | File       | U.S. Priority Date | U.S. Priority No. | Title                                                                                        |
|---------|-------------|-------------|------------|--------------------|-------------------|----------------------------------------------------------------------------------------------|
| KR      | 98-0703035  | 27-Apr-1998 | IN-95-055  | 02-Nov-1995        | 08/556,805        | MUTANT E. COLI STRAIN WITH INCREASED SUCCINIC ACID PRODUCTION (AS ISSUED)                    |
| WO      | US96/17661  | 31-Oct-1996 | IN-95-055  | 02-Nov-1995        | 08/556,805        | MUTANT E. COLI STRAIN WITH INCREASED SUCCINIC ACID PRODUCTION (AS ISSUED)                    |
| DE      | 97941159.2  |             | IN-95-067  | 30-Jul-1996        | 08/692,801        | EFFICIENT CONTINUOUS DRYER FOR FLEXIBLE POLYURETHANE FOAM AND CLEANING APPARATUS (AS ISSUED) |
| WO      | US97/01220  | 14-Jul-1997 | IN-95-067  | 30-Jul-1996        | 08/692,801        | EFFICIENT CONTINUOUS DRYER FOR FLEXIBLE POLYURETHANE FOAM AND CLEANING APPARATUS (AS ISSUED) |
| JP      | 1998-508655 | 14-Jul-1997 | IN-95-067  | 30-Jul-1996        | 08/692,801        | EFFICIENT CONTINUOUS DRYER FOR FLEXIBLE POLYURETHANE FOAM AND CLEANING APPARATUS (AS ISSUED) |
| FR      | 97941159.2  |             | IN-95-067  | 30-Jul-1996        | 08/692,801        | EFFICIENT CONTINUOUS DRYER FOR FLEXIBLE POLYURETHANE FOAM AND CLEANING APPARATUS (AS ISSUED) |
| CA      | 2260242     |             | IN-95-067  | 30-Jul-1996        | 08/692,801        | EFFICIENT CONTINUOUS DRYER FOR FLEXIBLE POLYURETHANE FOAM AND CLEANING APPARATUS (AS ISSUED) |
| GB      | 97941159.2  |             | IN-95-067  | 30-Jul-1996        | 08/692,801        | EFFICIENT CONTINUOUS DRYER FOR FLEXIBLE POLYURETHANE FOAM AND CLEANING APPARATUS (AS ISSUED) |
| EP      | 97941159.2  |             | IN-95-067  | 30-Jul-1996        | 08/692,801        | EFFICIENT CONTINUOUS DRYER FOR FLEXIBLE POLYURETHANE FOAM AND CLEANING APPARATUS (AS ISSUED) |
| IT      | 97941159.2  |             | IN-95-067  | 30-Jul-1996        | 08/692,801        | METHOD OF WASTE STABILIZATION VIA CHEMICALLY BONDED PHOSPHATE CERAMICS                       |
| WO      | US97/04132  | 18-Mar-1997 | IN-95-140b | 18-Mar-1996        | 08/617,284        |                                                                                              |

|    |                 |             |           |                           |                          |                                                                                                                           |
|----|-----------------|-------------|-----------|---------------------------|--------------------------|---------------------------------------------------------------------------------------------------------------------------|
| JP | 5022514/99      | 22-May-1998 | IN-96-134 | 08/867,556                | 2-Jun-1997               | PARTIAL OXIDATION CATALYST (AS ISSUED)                                                                                    |
| WO | US98/10523      | 22-May-1998 | IN-96-134 | 08/867,556                | 2-Jun-1997               | PARTIAL OXIDATION CATALYST (AS ISSUED)                                                                                    |
| JP | 2002/535177     | 09-Oct-2001 | IN-97-012 | 9-Oct-2000<br>22-Aug-2001 | 60/239,173<br>60/314,142 | NANOCRYSTALLINE DIAMOND FILM ELECTRODES                                                                                   |
| EP | 01979588.2      | 09-Oct-2001 | IN-97-012 | 9-Oct-2000<br>22-Aug-2001 | 60/239,173<br>60/314,142 | NANOCRYSTALLINE DIAMOND FILM ELECTRODES                                                                                   |
| WO | US01/31388      | 09-Oct-2001 | IN-97-012 | 9-Oct-2000<br>22-Aug-2001 | 60/239,173<br>60/314,142 | NANOCRYSTALLINE DIAMOND FILM ELECTRODES                                                                                   |
| WO | US99/16917      | 27-Jul-1999 | IN-97-086 | 29-Jul-1998               | 09/124,822               | PUMPABLE/INJECTABLE PHOSPHATE BONDED CERAMICS (AS ISSUED)                                                                 |
| CN | 99807904.9      | 27-Jul-1999 | IN-97-086 | 29-Jul-1998               | 09/124,822               | PUMPABLE/INJECTABLE PHOSPHATE BONDED CERAMICS (AS ISSUED)                                                                 |
| JP | 2000-562327     | 12-Jan-2001 | IN-97-086 | 29-Jul-1998               | 09/124,822               | PUMPABLE/INJECTABLE PHOSPHATE BONDED CERAMICS (AS ISSUED)                                                                 |
| RU | 2001110554<br>8 | 27-Feb-2001 | IN-97-086 | 29-Jul-1998               | 09/124,822               | PUMPABLE/INJECTABLE PHOSPHATE BONDED CERAMICS (AS ISSUED)                                                                 |
| EP | 99937504.1      | 26-Feb-2001 | IN-97-086 | 29-Jul-1998               | 09/124,822               | PUMPABLE/INJECTABLE PHOSPHATE BONDED CERAMICS (AS ISSUED)                                                                 |
| TW | 088112099       | 16-Jul-1999 | IN-97-086 | 29-Jul-1998               | 09/124,822               | PUMPABLE/INJECTABLE PHOSPHATE BONDED CERAMICS (AS ISSUED)                                                                 |
| NO | 319925          | 04-Aug-1999 | IN-97-098 | 06-Aug-1998               | 129,960                  | A DIMENSIONALLY STABLE ANODE FOR ELECTROLYSIS, METHOD FOR MAINTAINING DIMENSIONS OF ANODE DURING ELECTROLYSIS (AS ISSUED) |
| IT | 00950582.7      | 17-Jan-2002 | IN-99-042 | 21-Jul-2000               | US00/20047               | METHOD FOR FORMING BISMUTH-BASED SUPERCONDUCTING CERAMICS (AS ISSUED)                                                     |
| WO | US00/20047      | 21-Jul-2000 | IN-99-042 | 23-Jul-1999               | 60/145,579               | METHOD FOR FORMING BISMUTH-BASED SUPERCONDUCTING CERAMICS (AS ISSUED)                                                     |
| DE | 00950582.7      | 17-Jan-2002 | IN-99-042 | 21-Jul-2000               | US00/20047               | METHOD FOR FORMING BISMUTH-BASED SUPERCONDUCTING CERAMICS (AS ISSUED)                                                     |
| GB | 00950582.7      | 17-Jan-2002 | IN-99-042 | 21-Jul-2000               | US00/20047               | METHOD FOR FORMING BISMUTH-BASED SUPERCONDUCTING CERAMICS (AS ISSUED)                                                     |

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| FR | 00950582.7    | 17-Jan-2002 | IN-99-042 | 21-Jul-2000               | US00/20047               | METHOD FOR FORMING BISMUTH-BASED SUPERCONDUCTING CERAMICS (AS ISSUED)                                   |
| EP | 00950582.7    | 17-Jan-2002 | IN-99-042 | 21-Jul-2000               | US00/20047               | METHOD FOR FORMING BISMUTH-BASED SUPERCONDUCTING CERAMICS (AS ISSUED)                                   |
| WO | US20040025470 | 06-Aug-2004 | IN-01-018 | 08-Aug-2003<br>Aug-6-2004 | 60/493,958<br>10/913,185 | METHOD AND PRODUCT FOR PHOSPHOSILICATE SLURRY FOR USE IN DENTISTRY AND RELATED BONE CEMENTS (AS ISSUED) |
| EP | 2004-780325   | 06-Aug-2004 | IN-01-018 | 08-Aug-2003<br>Aug-6-2004 | 60/493,958<br>10/913,185 | METHOD AND PRODUCT FOR PHOSPHOSILICATE SLURRY FOR USE IN DENTISTRY AND RELATED BONE CEMENTS (AS ISSUED) |
| BR |               |             | IN-01-018 | 08-Aug-2003<br>Aug-6-2004 | 60/493,958<br>10/913,185 | METHOD AND PRODUCT FOR PHOSPHOSILICATE SLURRY FOR USE IN DENTISTRY AND RELATED BONE CEMENTS (AS ISSUED) |
| JP | 2006-523246   |             | IN-01-018 | 08-Aug-2003<br>Aug-6-2004 | 60/493,958<br>10/913,185 | METHOD AND PRODUCT FOR PHOSPHOSILICATE SLURRY FOR USE IN DENTISTRY AND RELATED BONE CEMENTS (AS ISSUED) |
| CA | 2004-2535244  | 06-Aug-2004 | IN-01-018 | 08-Aug-2003<br>Aug-6-2004 | 10/913,185               | METHOD AND PRODUCT FOR PHOSPHOSILICATE SLURRY FOR USE IN DENTISTRY AND RELATED BONE CEMENTS (AS ISSUED) |
| EP | 04816943.7    | 05-Jun-2006 | IN-02-006 | 05-Nov-2003               | 10/702,419               | PROCESS FOR ELECTROLYTIC PRODUCTION OF ALUMINUM (AS FILED)                                              |
| WO |               | 04-Nov-2004 | IN-02-006 | 05-Nov-2003               | 10/702,419               | PROCESS FOR ELECTROLYTIC PRODUCTION OF ALUMINUM (AS FILED)                                              |
| AU | 2004288233    | 09-May-2006 | IN-02-006 | 05-Nov-2003               | 10/702,419               | PROCESS FOR ELECTROLYTIC PRODUCTION OF ALUMINUM (AS FILED)                                              |
| BR | PI 0416235-8  | 05-May-2006 | IN-02-006 | 05-Nov-2003               | 10/702,419               | PROCESS FOR ELECTROLYTIC PRODUCTION OF ALUMINUM (AS FILED)                                              |
| CN | 200460036667  | 09-Jun-2006 | IN-02-006 | 05-Nov-2003               | 10/702,419               | PROCESS FOR ELECTROLYTIC PRODUCTION OF ALUMINUM (AS FILED)                                              |
| IN | 1411KOLNP     | 25-May-2006 | IN-02-006 | 05-Nov-2003               | 10/702,419               | PROCESS FOR ELECTROLYTIC PRODUCTION OF ALUMINUM (AS FILED)                                              |
| MZ | 75/2006       | 05-Jun-2006 | IN-02-006 | 05-Nov-2003               | 10/702,419               | PROCESS FOR ELECTROLYTIC PRODUCTION OF ALUMINUM (AS FILED)                                              |
| NZ | 547113        | 11-May-2006 | IN-02-006 | 05-Nov-2003               | 10/702,419               | PROCESS FOR ELECTROLYTIC PRODUCTION OF ALUMINUM (AS FILED)                                              |
| NO |               | 06-Jun-2006 | IN-02-006 | 05-Nov-2003               | 10/702,419               | PROCESS FOR ELECTROLYTIC PRODUCTION OF ALUMINUM (AS FILED)                                              |

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|----|---------------|-------------|-----------|----------------------------|--------------------------|------------------------------------------------------------------------------------------------------|
| RU | 2006119476    | 02-Jun-2006 | IN-02-006 | 05-Nov-2003                | 10702,419                | PROCESS FOR ELECTROLYTIC PRODUCTION OF ALUMINUM (AS FILED)                                           |
| ZA | 2006/03562    | 04-May-2006 | IN-02-006 | 05-Nov-2003                | 10702,419                | PROCESS FOR ELECTROLYTIC PRODUCTION OF ALUMINUM (AS FILED)                                           |
| CA | 2,544,702     | 03-May-2006 | IN-02-006 | 05-Nov-2003                | 10702,419                | PROCESS FOR ELECTROLYTIC PRODUCTION OF ALUMINUM (AS FILED)                                           |
| TW | 094119338     | 10-Jun-2005 | IN-03-054 | 10-Jun-2004                | 60/578,532               | SYNTHESIS OF A SELF ASSEMBLED HYBRID OF ULTRANANOCRYSTALLINE DIAMOND AND CARBON NANOTUBES (AS FILED) |
| WO | US2005/020596 | 10-Jun-2005 | IN-03-054 | 10-Jun-2004<br>01-Apr-2005 | 60/578,532<br>11/097,603 | SYNTHESIS OF A SELF ASSEMBLED HYBRID OF ULTRANANOCRYSTALLINE DIAMOND AND CARBON NANOTUBES (AS FILED) |
| TW | 095111522     | 31-Mar-2006 | IN-03-054 | 01-Apr-2005                | 11/097,603               | SYNTHESIS OF A SELF ASSEMBLED HYBRID OF ULTRANANOCRYSTALLINE DIAMOND AND CARBON NANOTUBES (AS FILED) |

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| WO | US2005/38228  | 20-Oct-2005 | IN-01-021  | 22-Oct-2004 | 10/971,653  | ENHANCED RF WINDOW FOR WAVEGUIDE USED WITH PARTICLE ACCELERATOR                                                         |
| WO | US2005/30130  | 24-Aug-2005 | IN-02-045  | 03-Sep-2004 | 60/607,123  | CHEMICALLY BONDED PHOSPHATE CERAMIC SEALANT FORMULATIONS FOR OIL FIELD APPLICATIONS (AS FILED)                          |
| WO | US2005/38228  | 18-Apr-2005 | IN-03-078  | 15-Jun-2004 | 10/868,062  | COMPOSITION AND APPLICATION OF NOVEL SPRAYABLE PHOSPHATE CEMENT (GRANCRETE) THAT BONDS TO STYROFOAM (AS FILED)          |
| WO | US2005/020841 | 13-Jun-2005 | IN-04-030  | 23-May-2005 | 11/1135,101 | METHODS FOR FABRICATING LITHIUM RECHARGEABLE BATTERIES (AS FILED)                                                       |
| WO | US2005/032900 | 14-Sep-2005 | IN-04-070  | 17-Sep-2004 | 60/611,099  | ELECTRONICALLY AND IONICALLY CONDUCTIVE POROUS MATERIAL AND METHOD FOR MANUFACTURE OF RESIN WAFERS THEREFROM (AS FILED) |
| WO | US2005/032893 | 14-Sep-2005 | IN-04-070b | 17-Sep-2004 | 60/611,099  | DEVICES USING RESIN WAFERS AND APPLICATIONS THEREOF (AS FILED)                                                          |
| WO | US2005/032900 | 17-Mar-2004 | IN-04-076  | 03-Sep-2004 | 60/607,125  | MANGANESE OXIDE ELECTRODES FOR LITHIUM BATTERIES (AS FILED)                                                             |

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|----|---------------|-------------|-----------|-------------|------------|---------------------------------------------------------------------------------------------------------------------------------------|
| WO | US2004/038377 | 17-Nov-2004 | IN-04-076 | 03-Sep-2004 | 60/607,125 | MANGANESE OXIDE ELECTRODES FOR LITHIUM BATTERIES (AS FILED)                                                                           |
| WO | US2005/042971 | 28-Nov-2005 | IN-04-077 | 01-Dec-2004 | 11/001,193 | ULTRAFAST AND ULTRASENSITIVE HYDROGEN SENSORS BASED ON SELF-ASSEMBLY MONOLAYER PROMOTED 2-DIMENSIONAL PALLADIUM NANOCLOUDS (AS FILED) |
| WO | US2005/044341 | 08-Dec-2005 | IN-04-098 | 16-Dec-2004 | 60/636,636 | LONG LIFE LITHIUM BATTERIES WITH STABILIZED ELECTRODES (AS FILED)                                                                     |
| WO |               |             |           |             |            | HIGH TEMPERATURE POTENTIOMETRIC OXYGEN                                                                                                |
| WO |               | 24-Mar-2006 | IN-04-105 | 28-Mar-2005 | 60/665,697 | SENSOR WITH INTERNAL REFERENCE (AS FILED)                                                                                             |
| WO | US2006/008664 | 10-Mar-2006 | IN-04-114 | 15-Mar-2005 | 60/662,056 | NON-AQUEOUS ELECTROLYTE FOR LITHIUM ION BATTERIES (AS FILED)                                                                          |
| WO | US2006/015379 | 25-Apr-2006 | IN-05-004 | 26-Apr-2005 | 60/674,894 | PROCESSES FOR MAKING DENSE, SPHERICAL ACTIVE MATERIALS FOR LITHIUM-ION CELLS (AS FILED)                                               |
| WO | US2006/007297 | 01-Mar-2006 | IN-05-012 | 02-Mar-2005 | 60/657,850 | NOVEL REDOX SHUTTLES FOR OVERCHARGE PROTECTION OF LITHIUM BATTERIES (AS FILED)                                                        |
| WO | US2006/024110 | 21-Jun-2006 | IN-05-030 | 08-Aug-2005 | 60/706,494 | PREPARATION OF PLASTIC SUPPORTS FOR BIOCHIPS (AS FILED)                                                                               |
| WO | 2006/023500   | 16-Jun-2006 | IN-05-072 | 02-Sep-2005 | 60/714,101 | LIGHT WEIGHT PHOSPHATE CEMENTS (AS FILED)                                                                                             |